

IGNOU | BCA

2023-2024

FREE

SOLVED

ASSIGNMENT



All In One

MCS-011

Problem Solving and Programming

Prepared by



 730-339-3555

www.ignoustudymentor.com

@ism_ignoustudymentor_





ISM - IGNOU STUDY MENTOR

 Youtube Channel and

Get a Complete Solution
for IGNOU Students

SUBSCRIBE

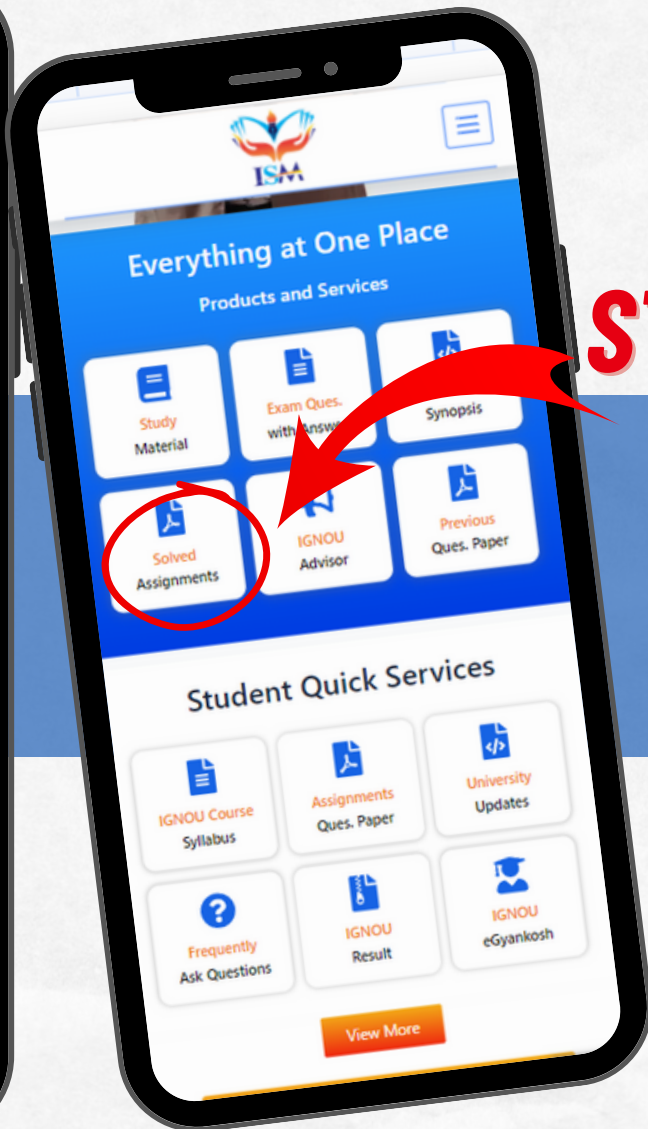
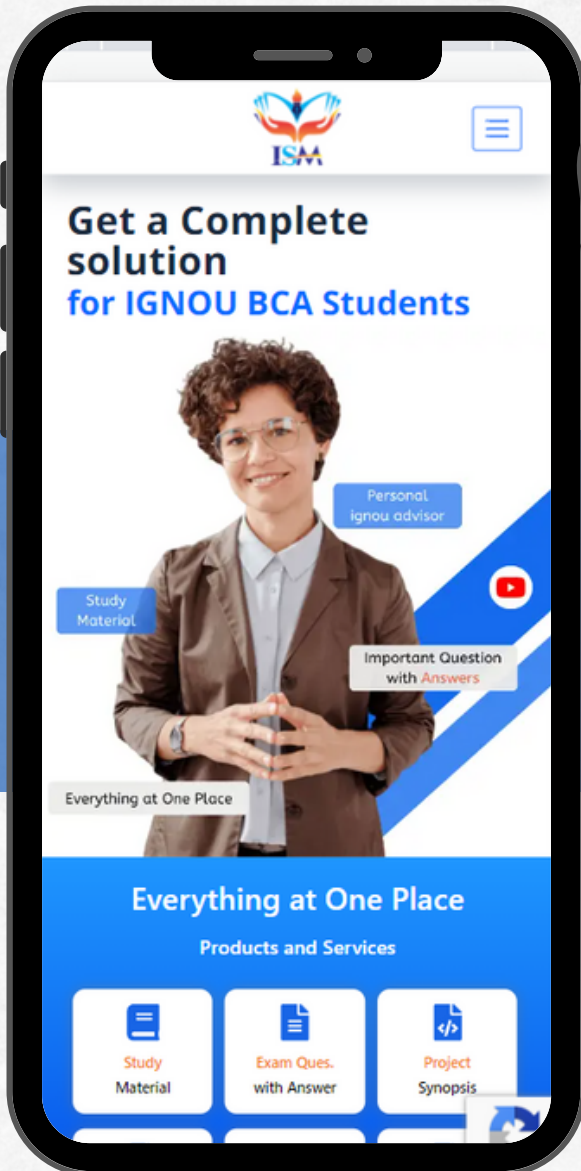


www.ignoustudymentor.com



STEP 1

 www.ignoustudymmentor.com 



STEP 2



Visit us: www.ignoustudymmentor.com



730-339-3555



MCS-011
PROBLEM SOLVING AND PROGRAMMING
[SEM-2]



[Click to Join](#)

Ques.5 Write an interactive C program to insert new elements in the unsorted array.

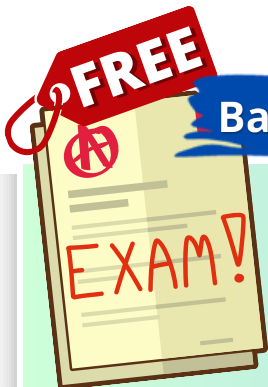
Ans. #include <stdio.h>

void main()

```
{
  int arr1[100],i,n,p,x;
  printf("\n\nInsert New value in the unsorted array : \n ");
  printf("-----\n");
  printf("Input the size of array : ");
  scanf("%d", &n);
  printf("Input %d elements in the array in ascending order:\n",n);
  for(i=0;i<n;i++)
  {
    printf("element - %d : ",i);
    scanf("%d",&arr1[i]);
  }
  printf("Input the value to be inserted : ");
  scanf("%d",&x);
  printf("Input the Position, where the value to be inserted :");
  scanf("%d",&p);
  printf("The current list of the array :\n");
  for(i=0;i<n;i++)
  printf("%d ",arr1[i]);
```



Baaki bche हुए Questions के Answers **YouTube पर Milege**



IGNOU SOLVED GUESS PAPER

Get IGNOU Important Questions with Answer, Video, PDF.



Visit us: www.ignoustudymentor.com



730-339-3555



MCS-011

PROBLEM SOLVING AND PROGRAMMING

[SEM-2]



Join for Doubt

```

/* Move all data at right side of the array */
for(i=n;i>=p;i--)
arr1[i]= arr1[i-1];
/* insert value at given position */
arr1[p-1]=x;
printf("\n\nAfter Insert the element the new list is :\n");
for(i=0;i<=n;i++)
printf("% d",arr1[i]);
printf("\n\n");
return 0;
}

```

Ques.6 Using Structures in C, write an interactive program to display the mark-sheet and grade card for 10 students for a MOOC course.

```

#include <stdio.h>
#include <conio.h>
struct stud
{
    char nam[20];
    int obtain_mark;
    int per;
    char grad[5];
    char course[10]="MOOC";
};

```

FREE

CLICK HERE

Baaki bche हुए Questions के Answers  YouTube पर Milege

IGNOU SOLVED ASSIGNMENTS

Get IGNOU Solved Assignments for all IGNOU courses



MCS-011
PROBLEM SOLVING AND PROGRAMMING
[SEM-2]

[Click to Join](#)

```
struct stud s[10];
int i;
int main()
{
for(i=1; i<=10; i++)
{
printf("Enter %d student name : ",i);
scanf("%s",&s[i].nam);
printf("Enter %d student obtained marks = ",i);
scanf("%d",&s[i].obtain_mark);
}
for(i=1; i<=10; i++)
s[i].per=s[i].obtain_mark/5;
for(i=1; i<10; i++)
{
if(s[i].per>=80)
strcpy(s[i].grad,"A");
else if(s[i].per>=60)
strcpy(s[i].grad,"B");
else if(s[i].per>=50)
strcpy(s[i].grad,"C");
else if(s[i].per>=40)
strcpy(s[i].grad,"D");
```



ISMA



FREE

Baaki bche hue Questions ke Answers  YouTube par Milege

PC PDF



IGNOU STUDY MATERIAL

Get IGNOU All Types of Study Materials and Books.



Visit us: www.ignoustudymaterial.com



730-339-3555



MCS-011
PROBLEM SOLVING AND PROGRAMMING
[SEM-2]



Join for Doubt

```
else
strcpy(s[i].grad,"F");
}
for(i=1; i<=10; i++)
printf("\n%d student %s has obtained grade %s ",i,s[i].nam,s[i].grad,s[i].course);
getch();
return 0;
}
```

Ques.7 Using File Handling concept in C programming, write the C programs for the following:

- (a) To find the number of lines in a text file.
- (b) To delete specific line from a text file.
- (c) To copy a file to another folder with a different file-name.

Ans. (a) To find the number of lines in a text file.

```
#include <stdio.h>
int main()
{
FILE *fileptr;
int count_lines = 0;
char filechar[40], chr;
printf("Enter file name: ");
scanf("%s", filechar);
fileptr = fopen(filechar, "r");
```

ISMA



Baaki bche हुए Questions के Answers YouTube पर Milege



IGNOU PROJECT & SYNOPSIS

Get IGNOU Project Report & Synopsis for all IGNOU Courses



Visit us: www.ignoustudymmentor.com



730-339-3555



MCS-011

PROBLEM SOLVING AND PROGRAMMING

[SEM-2]



Click to Join

```
//extract character from file and store in chr
chr = getc(fileptr);
while (chr != EOF)
{
//Count whenever new line is encountered
if (chr == '\n')
{
count_lines = count_lines + 1;
//take next character from file. chr = getc(fileptr);
}
fclose(fileptr); //close file.
printf("There are %d lines in %s in a file\n", count_lines, filechar);
return 0;
}
```

(b) To delete specific line from a text file.

```
#include <stdio.h>
int main()
{
FILE* fp1;
FILE* fp2;

char ch;
int line =0;
int temp =1;
fp1= fopen("xyz.txt","r");
```



Baaki bche हुए Questions के Answers YouTube पर Milege



IGNOU ADVISOR

Touch with Personal ADVISOR to clear all types of doubt.



Visit us: www.ignoustudymentor.com



730-339-3555



MCS-011

**PROBLEM SOLVING AND PROGRAMMING
[SEM-2]**

Join for Doubt

```
if (fp1 == NULL) {
printf("\nUnable to open file\n");
return-1;
}
while (!feof(fp1)) {
ch =getc(fp1);
printf("%c", ch); }
rewind(fp1);

printf("\nEnter line number to delete the line: ");
scanf("%d", &line);
fp2 = fopen("temp.txt", "w");
while (!feof(fp1)) { ch =getc(fp1);
if (ch == '\n') temp++;
if (temp != line) putc(ch, fp2);
}
fclose(fp1);
fclose(fp2);
remove("xyz.txt");
rename("temp.txt", "includehelp.txt");
printf("\nModified file:\n");
fp1 = fopen("xyz.txt", "r");
if (fp1 == NULL) { printf("\nUnable to open file\n");
return-1;
}
```

Baaki bche hue Questions ke Answers  YouTube par Milege**IGNOU PREVIOUS QUES. PAPER**

Get IGNOU Exam Questions with Answer, Video, PDF.



MCS-011
PROBLEM SOLVING AND PROGRAMMING
[SEM-2]

[Click to Join](#)

```
while (!feof(fp1)) {  
ch =getc(fp1);  
printf("%c", ch);  
}  
fclose(fp1);  
printf("\n");  
return 0; }
```

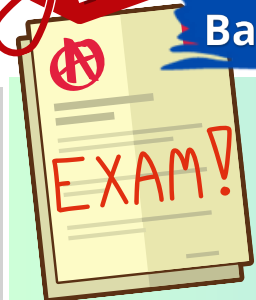
(c) To copy a file to another folder with a different file-name.

```
#include <iostream>  
#include <stdlib.h>  
using namespace std;  
int main() {  
    char ch; // source_file[20], target_file[20];  
    FILE *source, *target;  
    char source_file[]="x1.txt";  
    char target_file[]="x2.txt";  
    source = fopen(source_file, "r");  
    if (source == NULL) {  
        printf("Press any key to exit...");  
        exit(EXIT_FAILURE);  
    }  
    target = fopen(target_file, "w");  
    if (target == NULL)
```

FREE

CLICK HERE

Baaki bche हुए Questions के Answers  YouTube पर Milege



IGNOU SOLVED GUESS PAPER

Get IGNOU Important Questions with Answer, Video, PDF.



Visit us: www.ignoustudymmentor.com



730-339-3555

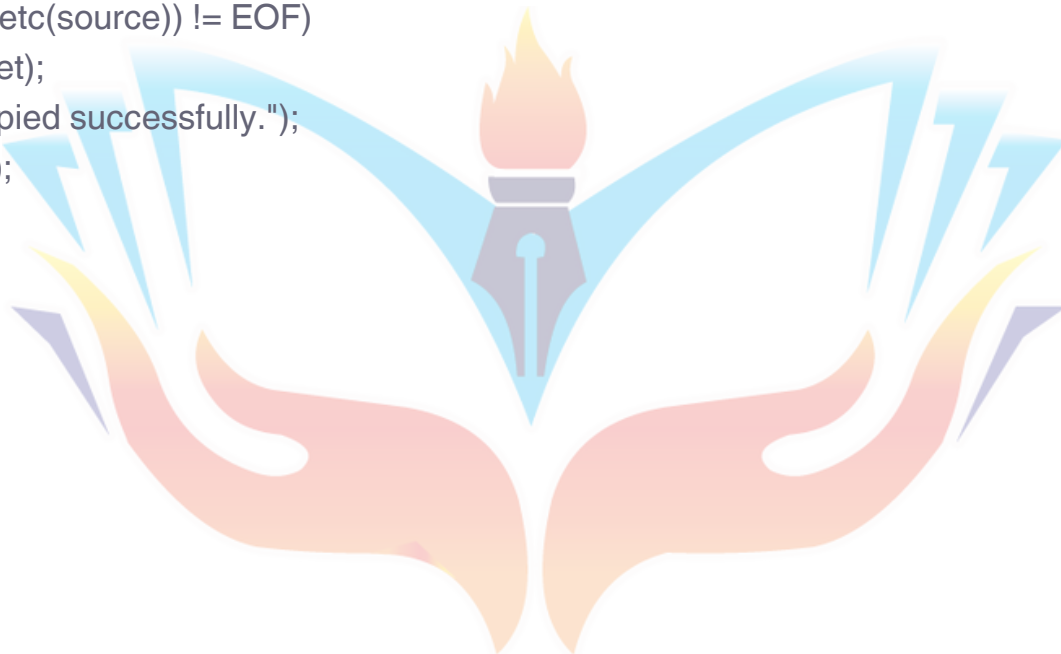


MCS-011
PROBLEM SOLVING AND PROGRAMMING
[SEM-2]



Join for Doubt

```
fclose(source);  
printf("Press any key to exit...");  
exit(EXIT_FAILURE);  
}  
while ((ch = fgetc(source)) != EOF)  
    fputc(ch, target);  
printf("File copied successfully.");  
fclose(source);  
fclose(target);  
return 0;  
}
```



ISMA

FREE

CLICK HERE

Baaki bche hue Questions ke Answers YouTube par Milege



IGNOU SOLVED ASSIGNMENTS

Get IGNOU Solved Assignments for all IGNOU courses





Follow :

ism_ignoustudymentor_

Join Telegram Group :

ism_ignoustudymentor

 **Youtube Channel**

ISM - IGNOU Study MENTOR

Website

www.ignoustudymentor.com



730-339-3555

