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C++ Programming Lab

Prepared by



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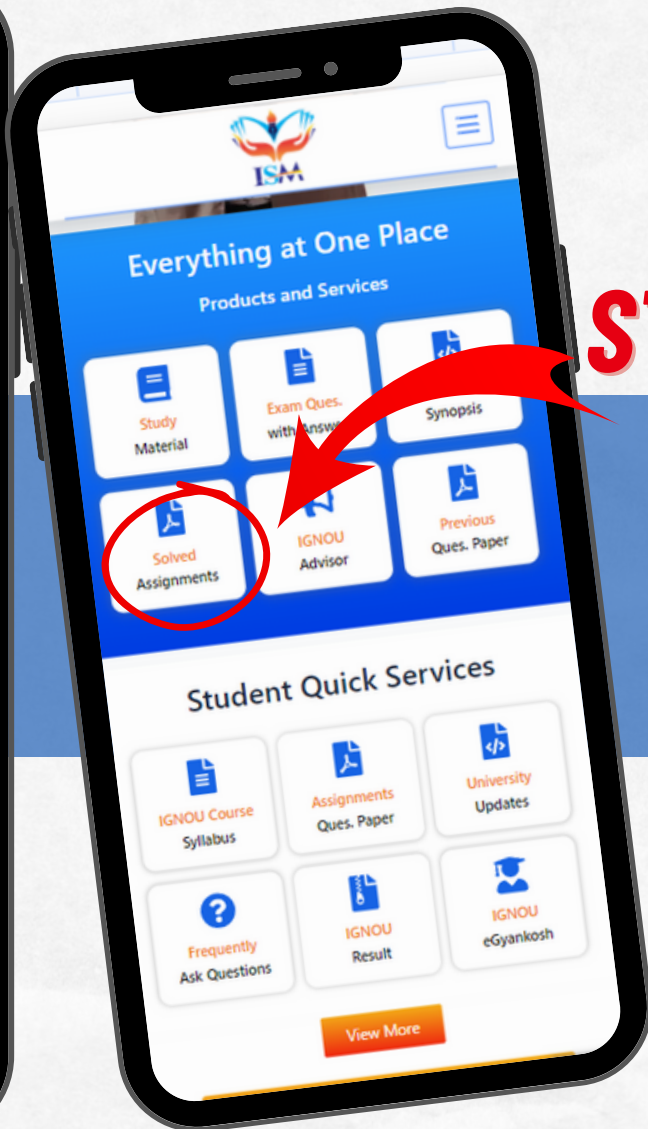
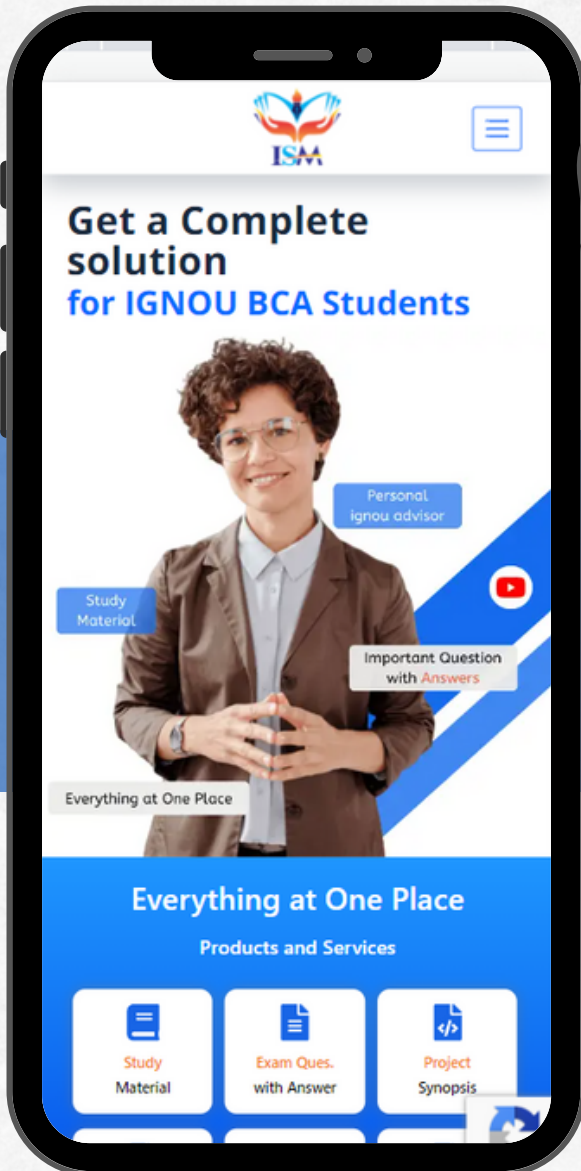


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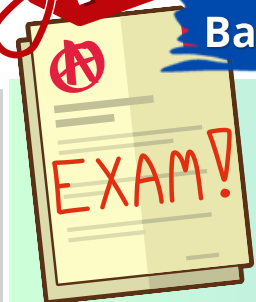
Ques.Q3. Write a program in C++ to compute the salaries of Employees of an organization who are having different designations. Use Virtual Base Class or Classes. Make necessary assumptions.

```
Ans. #include <iostream>
using namespace std;
class Employee {
protected: string designation;
double salary;

public: Employee(string designation, double salary)
{ this->designation = designation;
this->salary = salary;
}
virtual double compute_salary() = 0;
};
class Manager: virtual public Employee { private: double bonus;
public: Manager(string designation, double salary, double bonus) :
Employee(designation, salary) {
this->bonus = bonus;
}
double compute_salary() override {
```

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```

return salary + bonus;
}
};
class Clerk: virtual public Employee {
private:
double overtime_pay;
public:
Clerk(string designation, double salary, double overtime_pay) :
Employee(designation, salary) {
this->overtime_pay = overtime_pay;
}
double compute_salary() override {
return salary + overtime_pay;
}
};
int main() {
Manager manager("Manager", 100000, 5000);
Clerk clerk("Clerk", 50000, 1000);
cout << "Salary of Manager: " << manager.compute_salary() << endl;
cout << "Salary of Clerk: " << clerk.compute_salary() << endl;
return 0;
}

```

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