

## LAB 3 TASKS

### TASK 3:

```
#include <iostream>

using namespace std;

class Prime{

void show(bool prime, int num){

if(prime==0){

cout << num << " is a prime number" << endl;

}else if(prime==1){

cout << num << " is not a prime number" << endl;

}

}

public:

Prime(int num){

bool prime;

if(num>1){

for(int i=2 ; i<num; i++){

if(num%i==0){

prime=true;

}

}

show(prime, num);

}

else {

cout << num << " is not a prime number" << endl;

}

}
```

```
};
```

```
int main(int argc, char** argv) {
```

```
int number;
```

```
cout << "Enter a number: ";
```

```
cin >> number;
```

```
Prime p1(number);
```

```
return 0;
```

```
}
```

## TASK 4:

```
#include <iostream>
```

```
using namespace std;
```

```
class Bank{
```

```
string Name;
```

```
int Balance, AccountNo;
```

```
void setData(string nam, int bal, int accNo){
```

```
    Name = nam;
```

```
    Balance = bal;
```

```
    AccountNo = accNo;
```

```
}
```

```
void getData(){
```

```
    cout << "Name: " << Name << "\n";
```

```
    cout << "Balance: " << Balance << "\n" ;
```

```
    cout << "Account Number: " << AccountNo;
```

```
}
```

```
public:
```

```
Bank(string name, int balance, int accNo){  
    setData(name, balance, accNo);  
    getData();  
}  
};
```

```
int main(int argc, char** argv) {  
    Bank b1("Ahmed", 100, 123);  
    return 0;  
}
```