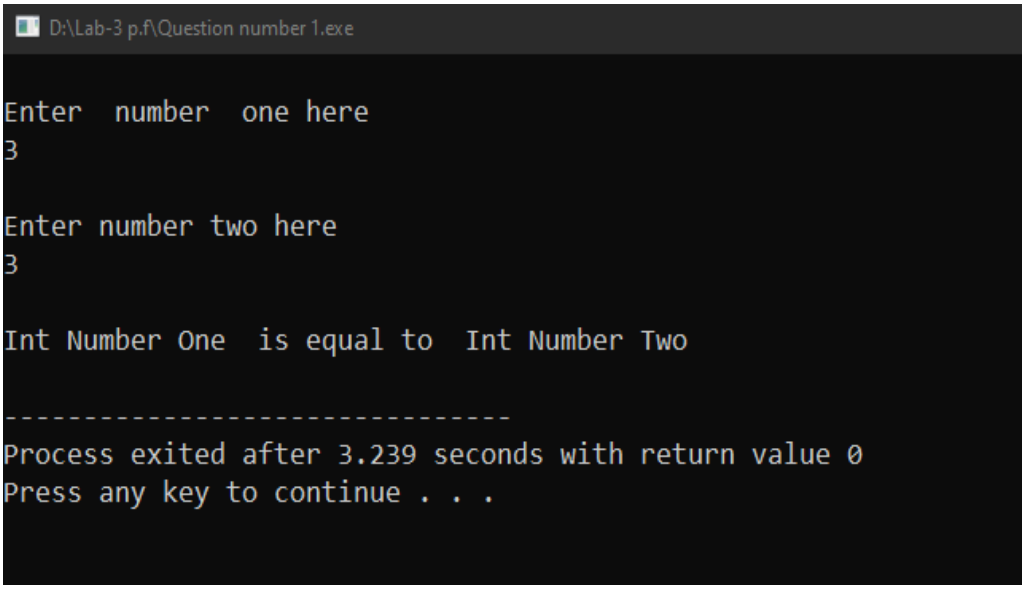
Question number 01

```
#include <iostream>
using namespace std;

int main()
{
 int num1 , num2 ;

 cout<<endl<<"Enter  number  one here "<<endl;
 cin>>num1;

 cout<<endl<<"Enter number two here   "<<endl;
 cin>>num2;
 cout<<endl;

 if(num1==num2)
 {
        cout<<"Int Number One "<<" is equal to "<<" Int Number Two"<<endl;
 }

 else
 {
        cout<<"Int Number One "<<"is not equal to "<<" Int Number Two"<<endl;
 }


return 0;
```

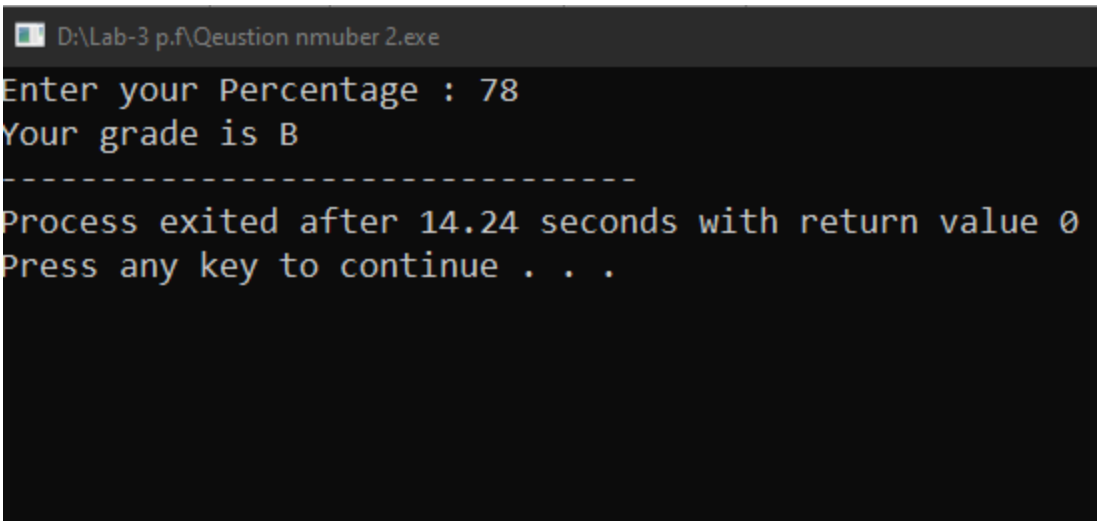
}



Question number 02

```
#include <iostream>

using namespace std;


int main()

{

 int percentage;

 string grade;


 cout<<"Enter your Percentage : ";

 cin>>percentage;


 if (percentage>=90 && percentage<=100)

 {

        cout<<"Your grade is A1";

 }
```

```
else if (percentage>=80 && percentage<90)
{
        cout<<"Your grade is A";
}

else if (percentage>=70 && percentage<80)
{
        cout<<"Your grade is B";
}

else if (percentage>=60 && percentage<70)
{
        cout<<"Your grade is C";
}

else if (percentage >=0 && percentage<60 )
{
        cout<<"Fail!!!!!!!!!!!!";
}

else
{
        cout<<"Invalid Entry!";
}



return 0;
}
```



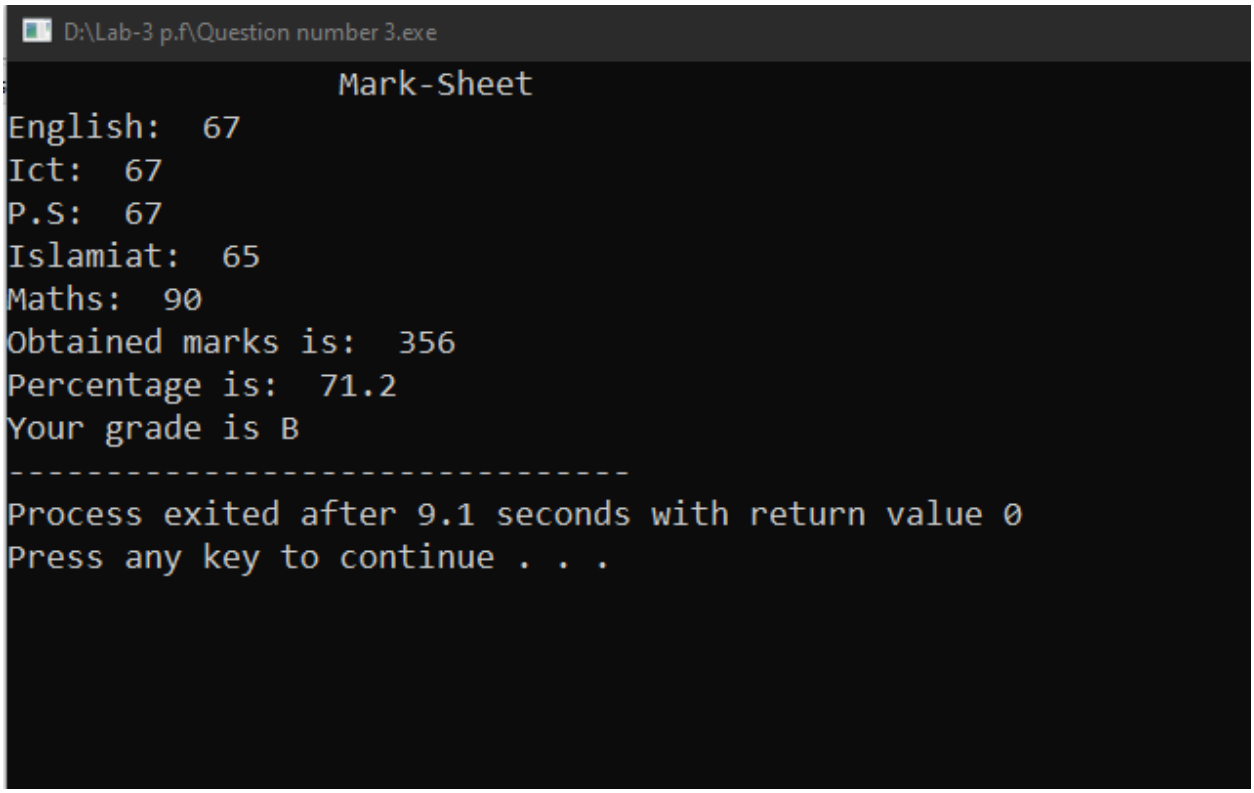
Question number 03

```
#include <iostream>

using namespace std;



        int main()

        {

         double marks1,marks2,marks3,marks4,marks5,obtained,percentage;

         cout<<"\t\t Mark-Sheet";

         cout<<endl;

         cout<<"English:  ";

         cin>>marks1;
```

```
cout<<"Ict:  ";

cin>>marks2;

cout<<"P.S:  ";

cin>>marks3;

cout<<"Islamiat:  ";

cin>>marks4;

cout<<"Maths:  ";

cin>>marks5;

if (marks1>100 || marks2>100 || marks3>100 || marks4>100 || marks5>100 )
{
        cout<<"Invalid marks entry!!";
}
else
{


obtained=marks1+marks2+marks3+marks4+marks5;
```

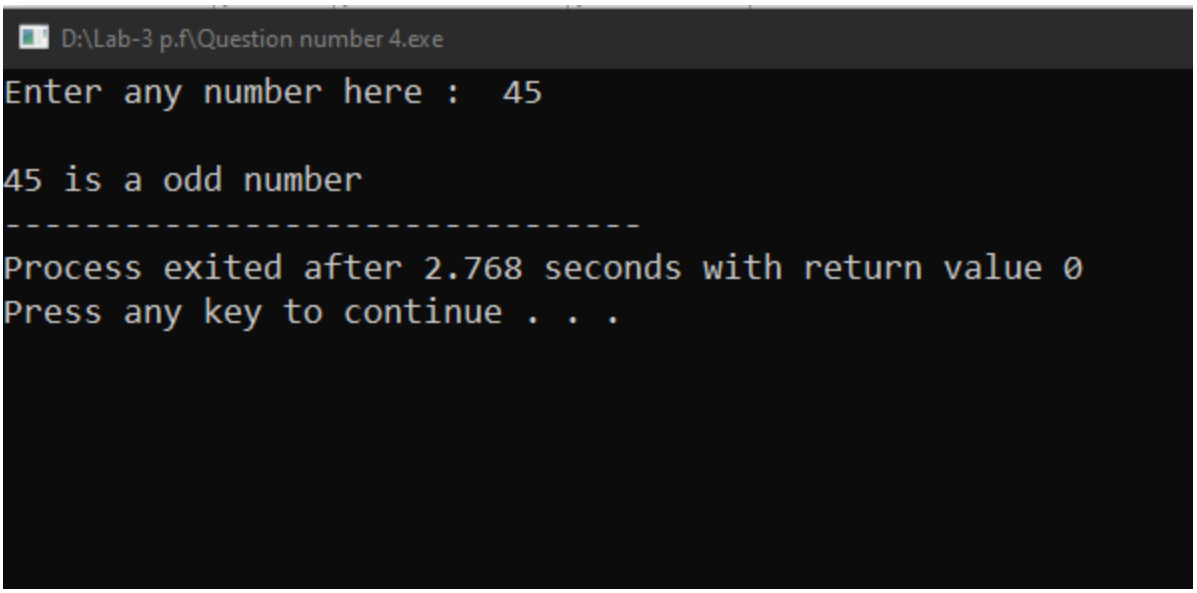
```
        cout<<"Obtained marks is:  "<<obtained;

        percentage=obtained/500*100;

        cout<<endl;

        cout<<"Percentage is:  "<<percentage;


      if (percentage>=90 && percentage<=100)
{
      cout<<"\nYour grade is A1";
}

else if (percentage>=80 && percentage<90)
{
      cout<<"\nYour grade is A";
}

else if (percentage>=70 && percentage<80)
{
      cout<<"\nYour grade is B";
}

else if (percentage>=60 && percentage<70)
{
      cout<<"\nYour grade is C";
}
```

```
else if (percentage >=0 && percentage<60 )
{
        cout<<"\nFail!!!!!!!!!!!!";
}

else
{
        cout<<"\nInvalid Entry!";
}

        }

return 0;
}
```



Question number 04

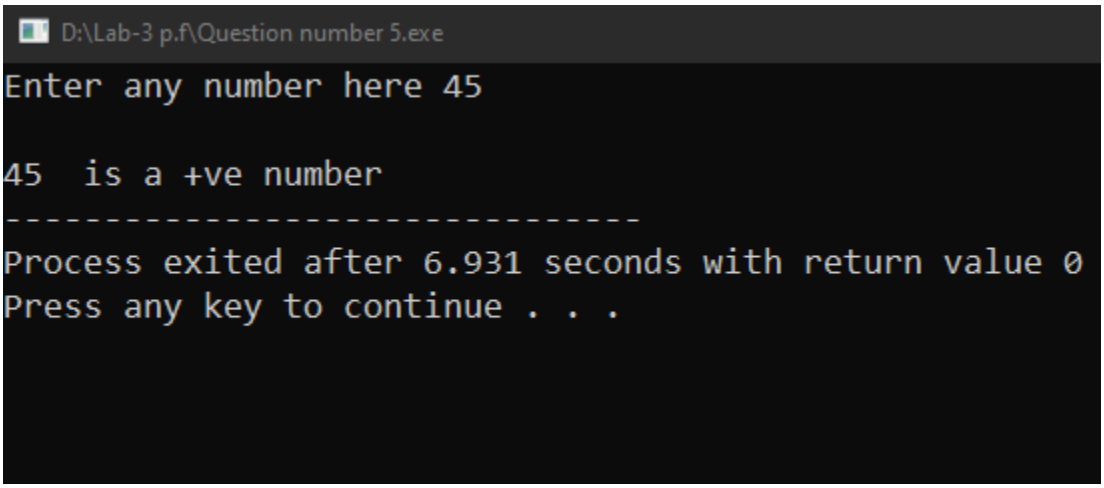
```
#include <iostream>

using namespace std;


int main()

{

 int number ;


 cout<<"Enter any number here :  ";

 cin>>number;

 cout<<endl;


 if(number%2 == 0)

 {

        cout<<number<<" is a even number ";

 }


 else if(number%2 != 0)

 {

        cout<<number<<" is a odd number ";

 }


 else

 {

        cout<<"INVALID ENTRY!!";

 }


return 0;

}
```



Question number 05

```
#include <iostream>

using namespace std;


int main()

{

 int num ;

 cout<<"Enter any number here ";

 cin>>num ;

 cout<<endl;


 if(num > 0)

 {

 cout<<num<<"  is a +ve number";

 }



 else if(num < 0 )
```

```
{
cout<<num<<" is a -ve number";
}


else if (num==0)
{
cout<<num<<"  is Zero";
}

return 0;
}
```



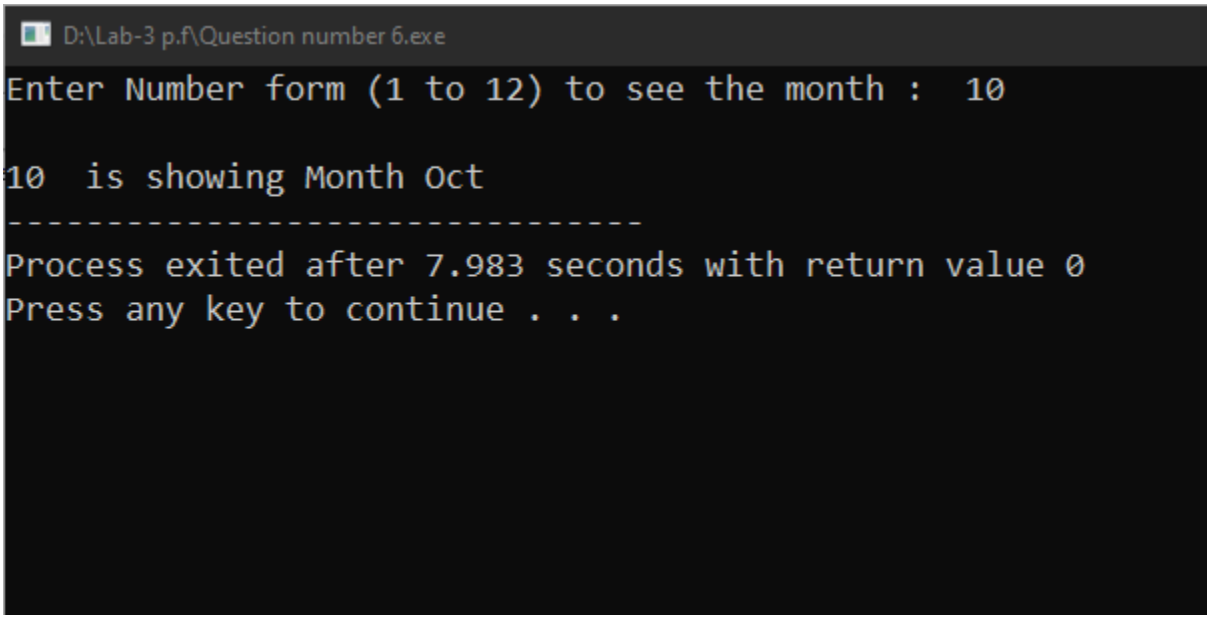
Question number 06

```
#include <iostream>
using namespace std;

int main()
{
 int num;
```

```
cout<<"Enter Number form (1 to 12) to see the month :  ";
cin>>num;
cout<<endl;

if(num==1)
{
	cout<<num<<"  is showing Month Jan";
}

else if(num==2)
{
	cout<<num<<"  is showing Month Feb";
}

else if(num==3)
{
	cout<<num<<"  is showing Month March";
}

else if(num==4)
{
	cout<<num<<"  is showing Month April";
}

else if(num==5)
{
	cout<<num<<"  is showing Month May";
}
```

```
else if(num==6)
{
	cout<<num<<"  is showing Month June";
}

else if(num==7)
{
	cout<<num<<"  is showing Month July";
}

else if(num==8)
{
	cout<<num<<"  is showing Month August";
}

else if(num==9)
{
	cout<<num<<"  is showing Month Sept";
}

else if(num==10)
{
	cout<<num<<"  is showing Month Oct";
}

else if(num==11)
{
	cout<<num<<"  is showing Month November";
}
```

```
else if(num==12)
{
        cout<<num<<"  is showing Month Decmeber";
}

else
{
        cout<<"Invalid entry";
}

return 0;
}
```



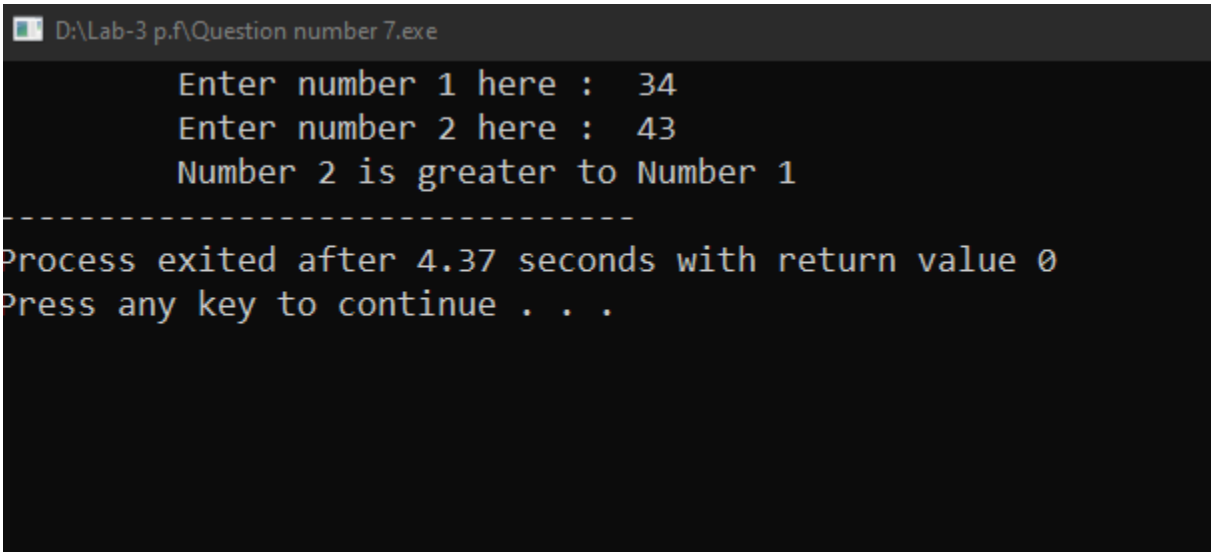
Question number 07

```
#include <iostream>

using namespace std;


int main()
```

```
{
 int num1,num2;

 cout<<"\t Enter number 1 here :            ";
 cin>>num1;

 cout<<"\t Enter number 2 here :            ";
 cin>>num2;

 if(num1>num2)
 {
          cout<<"\t Number 1 is greater to Number 2";
 }

 else if(num2>num1)
 {
          cout<<"\t Number 2 is greater to Number 1";
 }

 else if ( num1==num2)
 {
          cout<<"\t Both the numbers are equal";
 }

 else
 {
          cout<<"Invalid Entry!!!!";
 }
```

return 0;

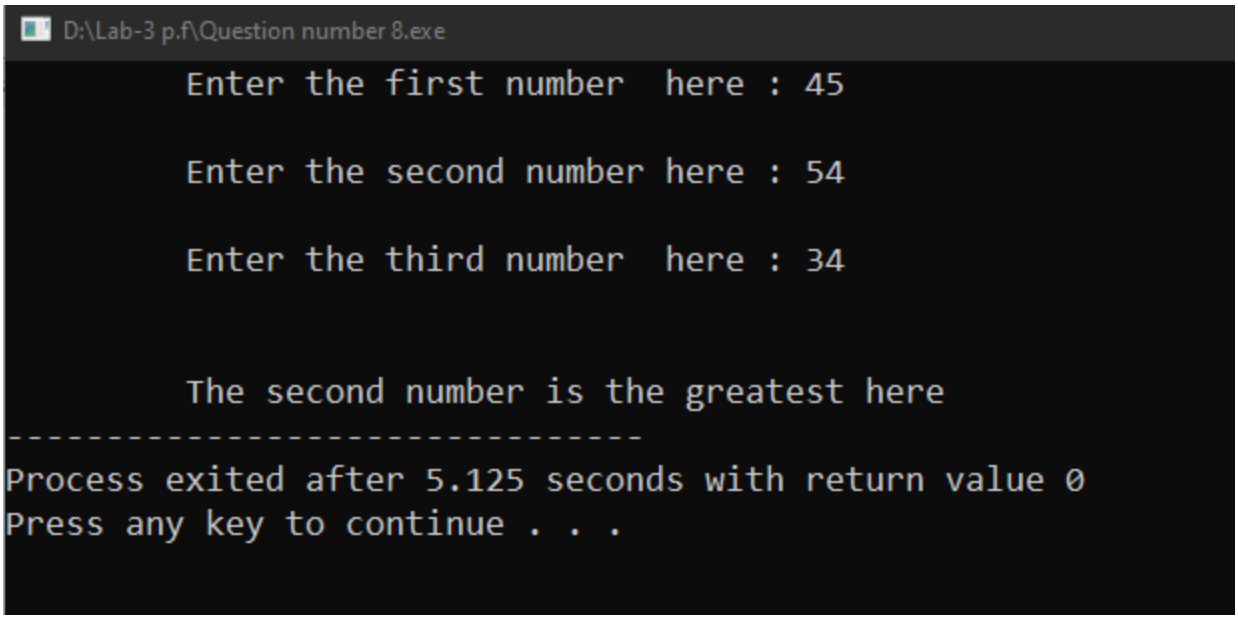
}



Question No:-8

```
#include <iostream>

using namespace std;


int main()

{

 int num1,num2,num3;


 cout<<"\t Enter the first number  here : ";

 cin>>num1;

 cout<<endl;


 cout<<"\t Enter the second number here : ";

 cin>>num2;

 cout<<endl;
```

```
cout<<"\t Enter the third number  here : ";
cin>>num3;
cout<<endl;

if(num2>num1 && num2>num3 )
{
        cout<<endl;
        cout<<"\t The second number is the greatest here ";
}

else if(num1>num2 && num1>num3)
{
        cout<<endl;
        cout<<"\t The first number is the greatest here ";
}


else if(num3>num2 && num3>num1)
{
        cout<<endl;
        cout<<"\t The third number is the greatest here ";
}



return 0;
}
```



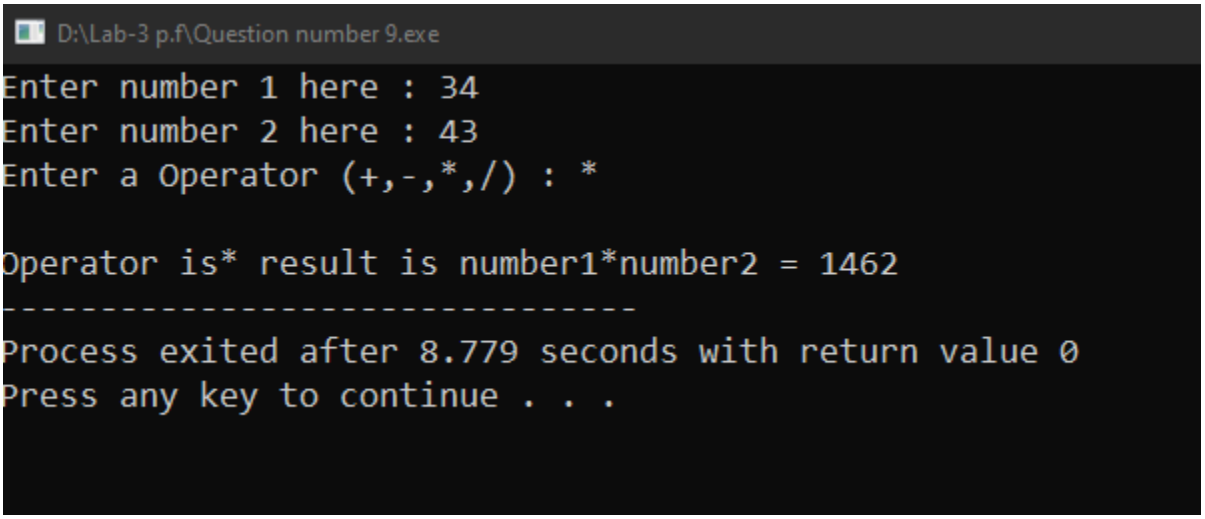
Question No:-09

```
#include <iostream>

using namespace std;


int main()

{

 int num1 ,num2;

 char op;


 cout<<"Enter number 1 here : ";

 cin>>num1;


 cout<<"Enter number 2 here : ";

 cin>>num2;


 cout<<"Enter a Operator (+,-,*,/) : ";

 cin>>op;
```

```
 if(op=='+')
 {
        cout<<endl;
        cout<<"Operator is"<<op<<" result is number1+number2 = "<<num1+num2;
 }

else if(op=='-')
 {
        cout<<endl;
        cout<<"Operator is"<<op<<" result is number1-number2 = "<<num1-num2;
 }

else if(op=='*')
 {
        cout<<endl;
        cout<<"Operator is"<<op<<" result is number1*number2 = "<<num1*num2;
 }

else if(op=='/')
 {
        cout<<endl;
        cout<<"Operator is"<<op<<" result is number1/number2 = "<<num1/num2;
 }

else
{
        cout<<"Invalid Operator!!!";
}
```

return 0;

}

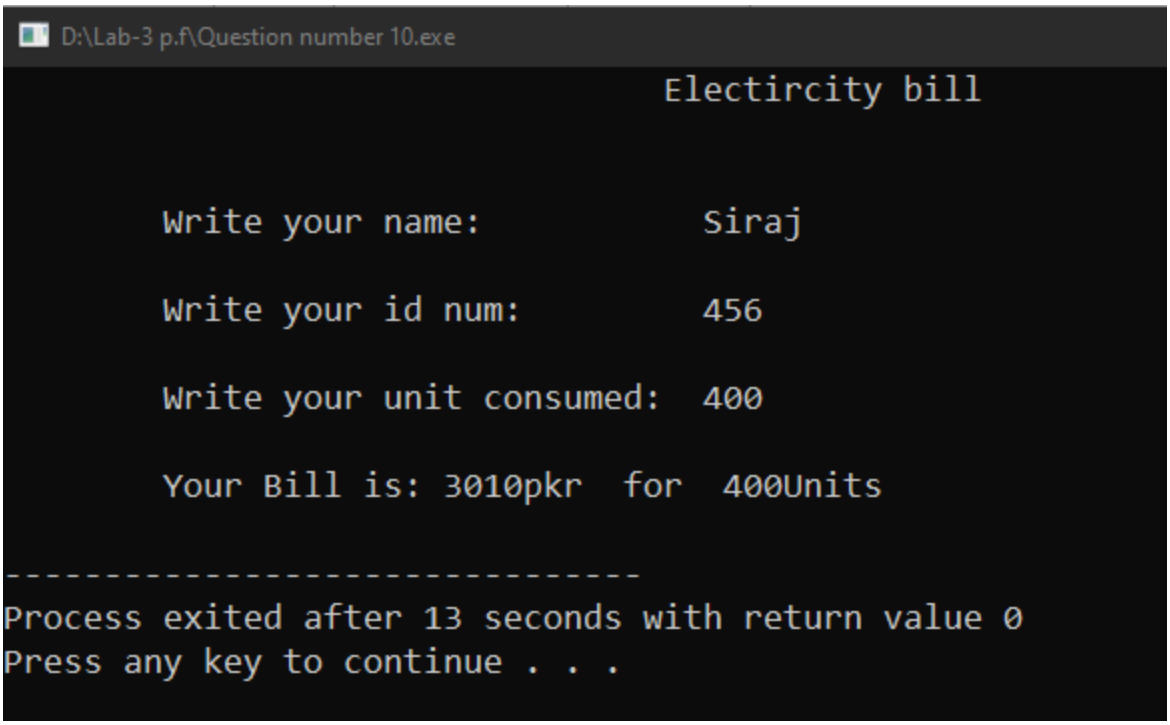


Question No:-10

```
#include <iostream>

using namespace std;


int main()

{

 int id;

 double Unit_cons,priceA,priceB,priceC,priceD;

 string Name;


 cout<<"\t\t\t\t Electircity bill    ";

 cout<<endl<<endl<<endl;


 cout<<"\tWrite your name:          ";

 cin>>Name;

 cout<<endl;
```

```
cout<<"\tWrite your id num:        ";
cin>>id;
cout<<endl;

cout<<"\tWrite your unit consumed:  ";
cin>>Unit_cons;
cout<<endl;



priceA=5*Unit_cons;
priceB=(10* (Unit_cons-199) +(5*199));
priceC=(15* (Unit_cons-399) +(10*200)+(5*199));
priceD=(20* (Unit_cons-599) +(20*300)+(10*200)+(5*199));

if(Unit_cons>0 && Unit_cons<=199)
{
        cout<<"\tYour Bill is: "<<priceA  <<"pkr"<<"  for  "<< Unit_cons <<"Units";
        cout<<endl;
}

else if(Unit_cons>199 && Unit_cons<=399)
{
        cout<<"\tYour Bill is: "<<priceB  <<"pkr"<<"  for  "<< Unit_cons <<"Units";
        cout<<endl;
}

else if(Unit_cons>399 && Unit_cons<=599)
{
        cout<<"\tYour Bill is: "<<priceC  <<"pkr"<<"  for  "<< Unit_cons <<"Units";
```

```
        cout<<endl;
}

else if(Unit_cons>599)
{
        cout<<"\tYour Bill is: "<<priceD  <<"pkr"<<"  for  "<< Unit_cons <<"Units";
        cout<<endl;
}

else
  {
  cout<<"\t Invalid-entry";
        cout<<endl;
  }

return 0;
}
```


D:\Lab-3 p.f\Question number 10.exe
Electircity bill
Write your name: Siraj
Write your id num: 456
Write your unit consumed: 400
Your Bill is: 3010pkr for 400Units

Process exited after 13 seconds with return value 0
Press any key to continue . . .