

Lab Tasks

Task 1:

```
#include<iostream>

using namespace std;

int main(){

    float a,b;

    char c;

    cout<<" first num: ";

    cin>>a;

    cout<<" second num: ";

    cin>>b;

    cout<<"enter the operation(*,+,-,/) "<<endl;

    cin>>c;

    switch(c)

    case '*' :

        cout<<" Answer= "<<a*b;

        break;

    case '/':

        cout<<" Answer= "<<a/b;
```

```
        break;

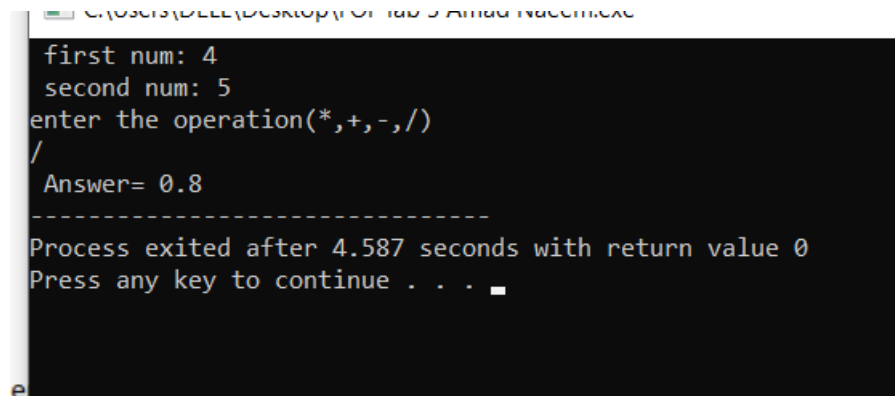
    case '+': cout<<" Answer= "<< a+b;
    break;

    case '-': cout<<"Answer= "<< a-b;
    break;

    default: cout<<" operation invalid";
}

return 0;

}
```



```
C:\Users\DELL\Desktop\101\101_3\101_3\101_3.exe
first num: 4
second num: 5
enter the operation(*,+, -, /)
/
Answer= 0.8
-----
Process exited after 4.587 seconds with return value 0
Press any key to continue . . .
```

Task 2:

```
#include<iostream>
```

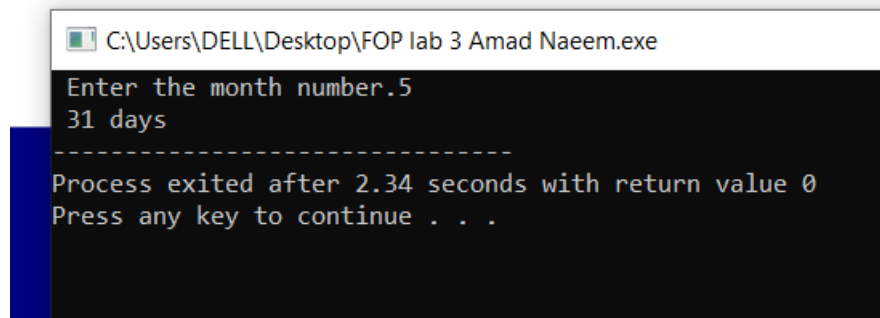
```
using namespace std;

int main(){
    int x;
    cout<<" Enter the month number.";
    cin>>x;
    switch(x)
    { case 1::case 3::case 5::case 7::case 8::case 10:: case 12: cout<<" 31 days";
      break;

      case 4:: case 6:: case 9:: case 11:
        cout<<" 30 days ";
        break;

        case 2: cout<<" 28 days";
        break;

        default: cout<<" invalid month number";
    }
    return 0;
}
```



```
C:\Users\DELL\Desktop\FOP lab 3 Amad Naeem.exe
Enter the month number.5
31 days
-----
Process exited after 2.34 seconds with return value 0
Press any key to continue . . .
```

Task 3:

```
#include<iostream>

using namespace std;

int main(){

float a, b;

cout<<" num1: ";

cin>>a;

cout<<" num 2: ";

cin>>b;

if( a==b)

{cout<<" num1 is equal to num 2 ";

}

else {

if( a>b)

{cout<<" num 1 is greater than num 2";}

else {

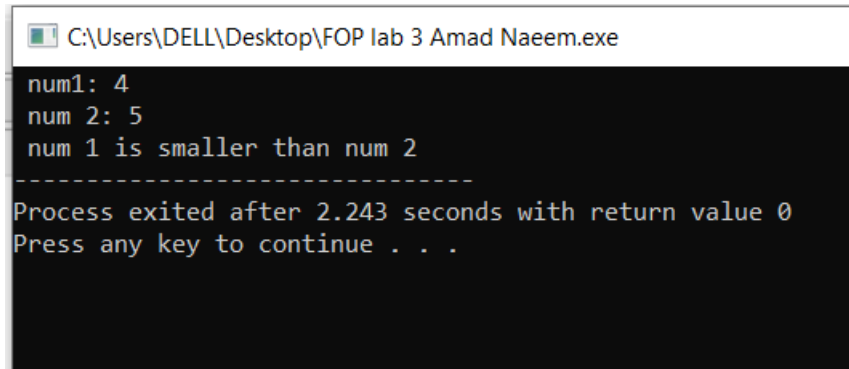
if( b>a)
```

```

{ cout<<" num 1 is smaller than num 2";}
}
}

return 0;}

```



```

C:\Users\DELL\Desktop\FOP lab 3 Amad Naeem.exe
num1: 4
num 2: 5
num 1 is smaller than num 2
-----
Process exited after 2.243 seconds with return value 0
Press any key to continue . . .

```

Task 4:

```

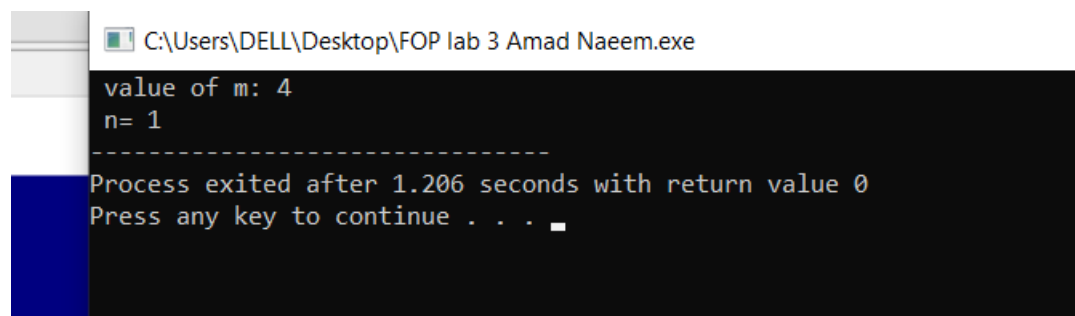
#include<iostream>

using namespace std;

int main(){
    int m,a=1,b=-1;
    cout<<" value of m: ";
    cin>>m;
    if(m>0){
        cout<<" n= "<<a;
    }
    else{
        if(m==0){
            cout<<" n= "<<m;

```

```
}  
else{  
if(m<0){  
    cout<<"n= "<<b;  
}  
  
}  
  
}  
return 0;}
```



A screenshot of a Windows command prompt window. The title bar shows the file path "C:\Users\DELL\Desktop\FOP lab 3 Amad Naeem.exe". The command prompt displays the following text: "value of m: 4", "n= 1", a dashed line "-----", "Process exited after 1.206 seconds with return value 0", and "Press any key to continue . . .". A blue vertical bar is visible on the left side of the window.

```
C:\Users\DELL\Desktop\FOP lab 3 Amad Naeem.exe  
value of m: 4  
n= 1  
-----  
Process exited after 1.206 seconds with return value 0  
Press any key to continue . . .
```