



Lab PF

Israr



Task 1

```
#include<iostream>

#include<string>

using namespace std;

int main()

{

string date;

cout<<"ENter the date (DD/MM/YYYY) : ";

getline(cin,date);

cout<<endl<<date;

int len=date.length();

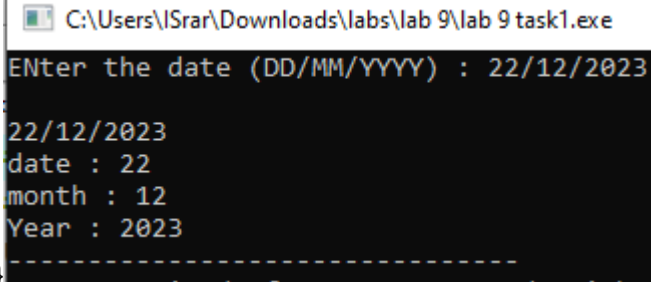
string d=date.substr(0,2);

string m=date.substr(3,2);

string y=date.substr(6,4);

cout<<endl<<"date : "<<d;

cout<<endl<<"month : "<<m<<"\nYear : "<<y;
```



```
C:\Users\ISrar\Downloads\labs\lab 9\lab 9 task1.exe
ENter the date (DD/MM/YYYY) : 22/12/2023
22/12/2023
date : 22
month : 12
Year : 2023
-----
}
```

Task 2


```
#include<iostream>

using namespace std;

int st(string);

int main()
{
    int a;
    string str;
    cout<<"\nEnter the String : ";
    getline(cin,str);
    a=st(str);
    cout<<"\nNumber of words : "<<a;
}

int st(string str1)
{
    int len=str1.length();
    return len;
}
```

 C:\Users\ISrar\Downloads\labs\lab 9\lab9 task2 ta:

```
Enter the String : asrtr23
Number of words : 7
-----
}
```


Task 3

```
#include<iostream>

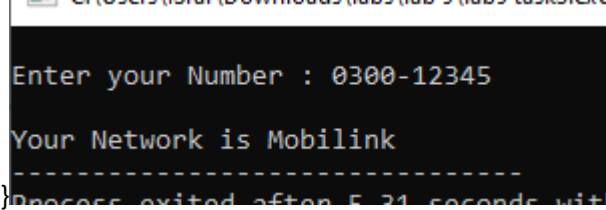
using namespace std;

string net(string);

int main()
{
    string output,num;
    cout<<"\nEnter your Number : ";
    cin>>num;
    output=net(num);
    cout<<"\nYour Network is "<<output;
}

string net(string no)
{
    string ntw;
    string network;
    network=no.substr(0,4);
    if(network=="0300")
        ntw="Mobilink";
    else if(network=="0315")
        ntw="Zong";
    else if(network=="0333")
        ntw="Ufone";
    else if(network=="0345")
        ntw="Telenor";

    return ntw;
}
```



```
Enter your Number : 0300-12345
```

```
Your Network is Mobilink
```

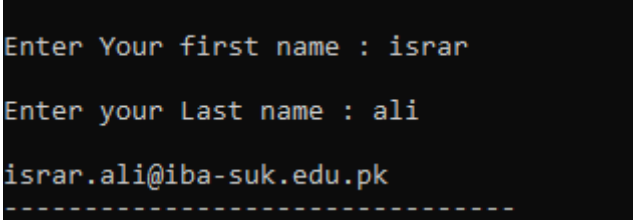
```
-----
Process exited after 5.31 seconds with
```

Task 4

```
#include<iostream>

using namespace std;

int main()
{
    string fname,lname;
    cout<<"\nEnter Your first name : ";
    cin>>fname;
    cout<<"\nEnter your Last name : ";
    cin>>lname;
    cout<<endl<<fname+'.'+lname<<"@iba-suk.edu.pk";
}
```



```
Enter Your first name : israr
Enter your Last name : ali
israr.ali@iba-suk.edu.pk
-----
```

Task 5

```
#include<iostream>

#include<string>

using namespace std;

string my_lower(string);

int main()

{

    string str,res;

    cout<<"\n Enter your string here : ";

    getline(cin,str);

    res=my_lower(str);

    cout<<"\nHere is lower case : "<<res;

}

string my_lower(string g)

{

    int len=g.length();

    int arr[len];

    for(int i=0;i<len;i++)

    {

        if(g[i]>=65&&g[i]<96)

        {

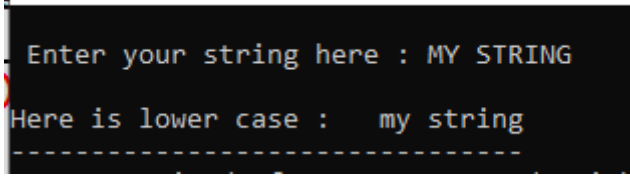
            g[i]+=32;

        }

    }

    return g;

}
```



```
C:\Users\Taha\Downloads\task5\task5 task5.exe

Enter your string here : MY STRING

Here is lower case :  my string
-----
```

Task 6

```
#include<iostream>

#include<string>

using namespace std;

string my_upper(string);

int main()

{

string str,res;

cout<<"\n Enter your string here : ";

getline(cin,str);

res=my_upper(str);

cout<<"\nHere is upper case : "<<res;

}

string my_upper(string g)

{

int len=g.length();

int arr[len];

for(int i=0;i<len;i++)

{

    if(g[i]>=96)


    {

        g[i]-=32;

    }

}

return g;
```

 C:\Users\brar\Downloads\labs\lab 9\lab9 task6.exe

```
Enter your string here : my lowercasestring
Here is upper case :  MY LOWERCASESTRING
-----
```


Task 7

```
#include<iostream>

#include<string>

using namespace std;

string pld(string);

int main()

{

    string str,res;

    cout<<"\nEnter your string : ";

    getline(cin,str);

    res=pld(str);

    cout<<endl<<res;

}

string pld(string inp)

{

    bool check=false;

    string result, arr;

    int len=inp.length();

    for(int i=0;i<len;i++)

    {

        arr[i]=inp[i];

    }

    int p=len-1;

    for(int i=0;i<len;i++)

    {

        if(arr[i]==inp[p]) //asrar rarsa

            check=true;


        else

            check=false;

    }

}
```

```
p--;  
}  
if(check==true)  
    result="The string is pailindrome";  
else  
    result="The string is not pailindrome";  
return result;
```

 C:\Users\JSrar\Downloads\labs\lab 9\lab9 t

```
Enter your string : civic  
The string is pailindrome
```

```
}
```