

1. Write a program to find the largest and smallest among three entered numbers by the user and also display whether the identified largest/smallest number is even or odd.

```
#include<iostream>

using namespace std;

int main()
{
    int a,b,c;

    cout<<"Enter the
value of a:";

    cin>>a;

    cout<<"Enter the value of b:";

    cin>>b;

    cout<<"Enter the value of c:";

    cin>>c;

    if(a<b && b<c)
    {
        cout<<"c is the largest"<<endl;

        if(c%2==0)
        {
            cout<<"c is an even number";

        }

        Else
        {
            cout<<"c is an odd number";

        }
    }
}
```

```

}

if(a<b && a<c)

{

cout<<"a is the smallest"<<endl;

if(a%2==0)

{

cout<<"a is an even number";

}

Else

{

cout<<"a is an odd number";

}

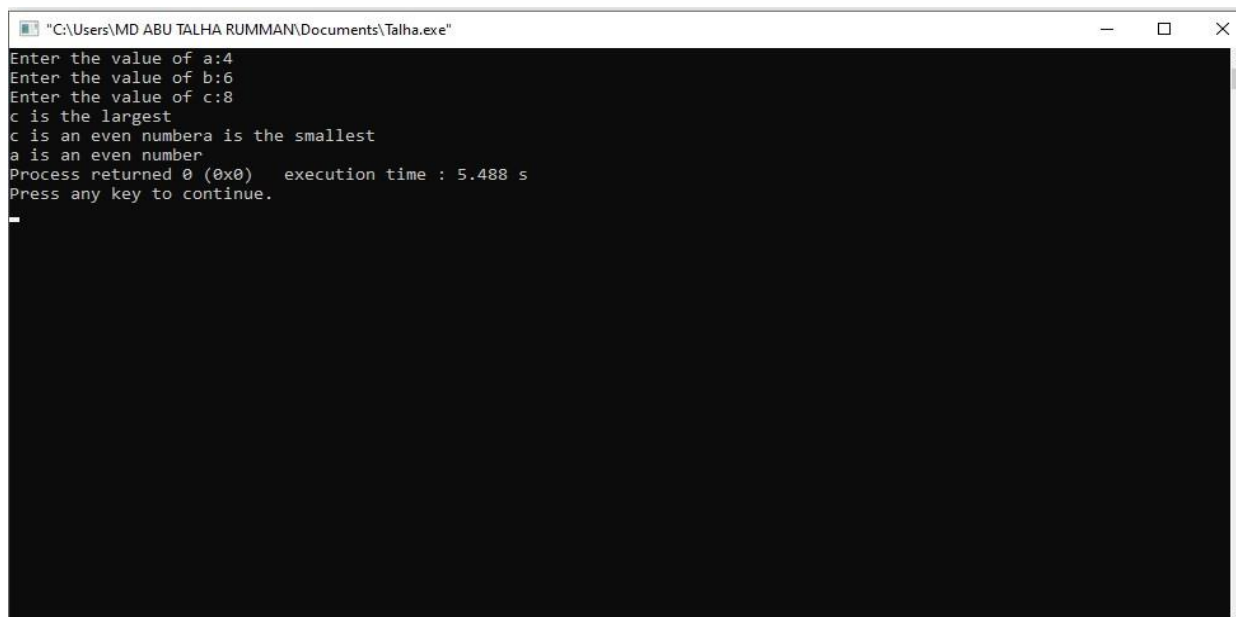
}

return(0);

}

```

Ans:



```

C:\Users\MD ABU TALHA RUMMAN\Documents\Talha.exe
Enter the value of a:4
Enter the value of b:6
Enter the value of c:8
c is the largest
c is an even number
a is the smallest
a is an even number
Process returned 0 (0x0)   execution time : 5.488 s
Press any key to continue.

```

2. Write a program to check whether input alphabet is vowel or not (using false).

```
#include<iostream>

using namespace std;

int main()

{

    char ip;
cin>>(ip); if(ip=='a' || ip=='e' || ip=='i' || ip=='o' || ip=='u' || ip=='A' || ip=='E' || ip=='I' || ip=='O' ||
ip=='U')
{

    cout<<"vowel"<<endl;

}

else{    cout<<"consonant"<<endl;

}

return(0);

}
```

```
"C:\Users\MD ABU TALHA RUMMAN\Documents\Rumman.exe"
Md. Abu Talha Rumman
consonant
Process returned 0 (0x0)   execution time : 40.128 s
Press any key to continue.
```

2. Write a program to check whether input alphabet is vowel or not (using Switch).

```
#include<iostream>

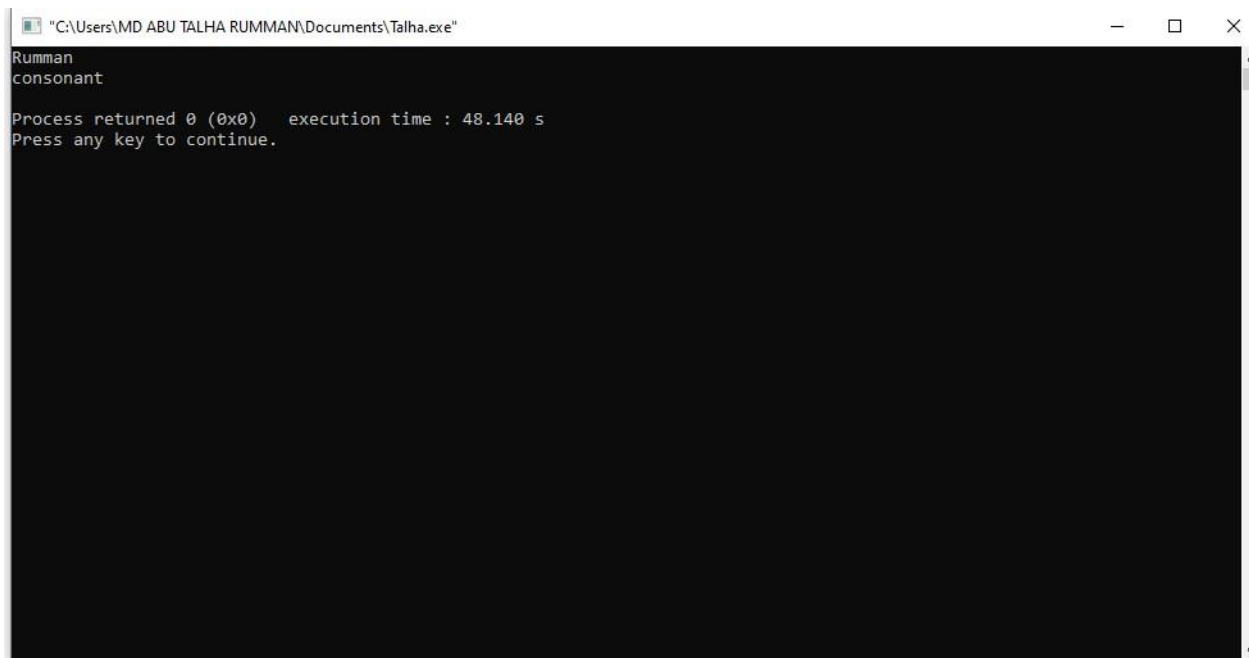
using namespace std;

int main()
{
    char ip;

    cin>>(ip);

    if(ip=='a' || ip=='e' || ip=='i'
    || ip=='o' || ip=='u' ||
    ip=='A' || ip=='E' || ip=='I'
    || ip=='O' || ip=='U')
    {
        cout<<"vowel"<<endl;
    }
}
```

```
Else  
{  
cout<<"consonant"<<endl;  
}  
return 0;  
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\MD ABU TALHA RUMMAN\Documents\Talha.exe". The window contains the following text:
Rumman
consonant
Process returned 0 (0x0) execution time : 48.140 s
Press any key to continue.

3. Write a program to check whether the entered year is leap year or not (a year is leap if it is divisible by 4 and divisible by 100 or 400.)

```
#include<iostream>  
  
using namespace std;  
  
int main()
```

```

{

    int y;

    cout<<"Enter a year:";

    cin>>y;

    if((y%400==0) ||
((y%4==0) &&
(y%100!=0)))

    {

        cout<<"y is a leap
year:";

    }

    else

    {

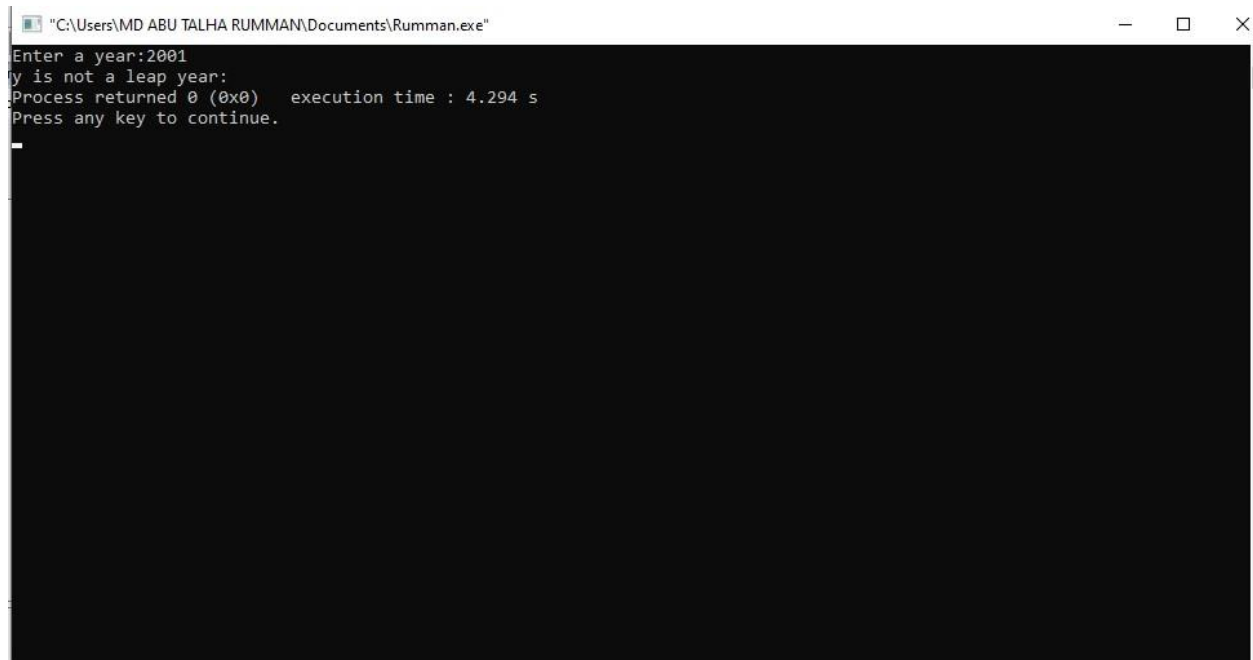
        cout<<"y is not a leap
year:";

    }

    return(0);

}

```



```
"C:\Users\MD ABU TALHA RUMMAN\Documents\Rumman.exe"
Enter a year:2001
y is not a leap year:
Process returned 0 (0x0) execution time : 4.294 s
Press any key to continue.
```