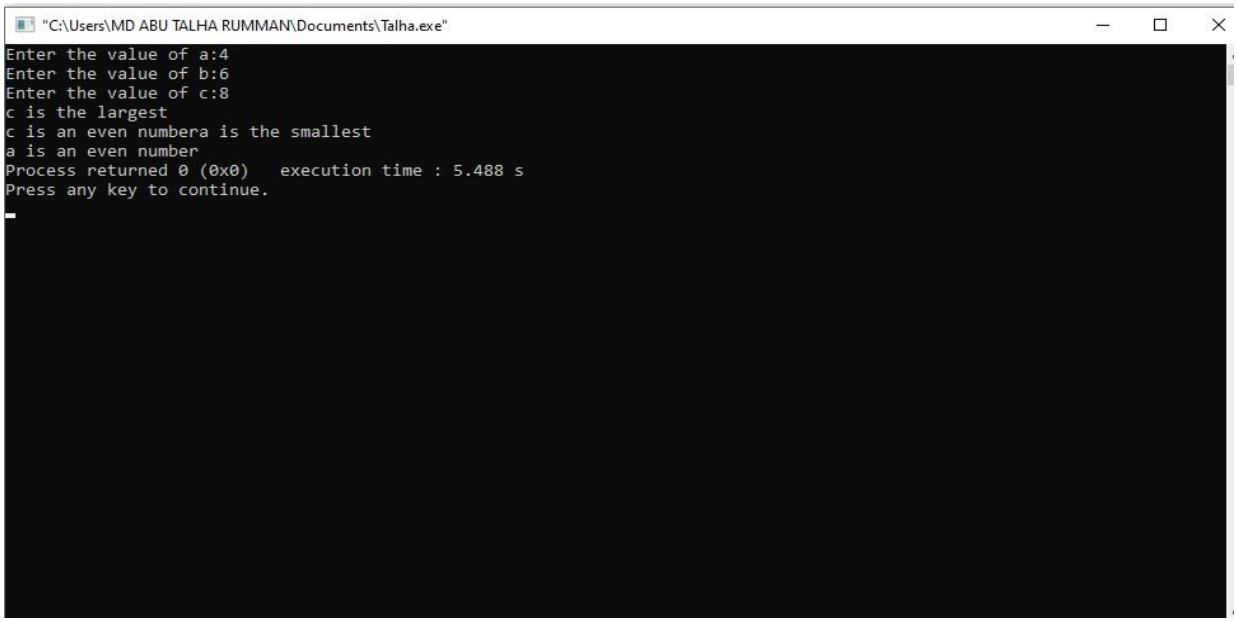
**1. Write a program to find the largest and smallest among three entered numbers by the user and also display whether the identified largest/smallest number is even or odd.**

```
#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";
 }
```

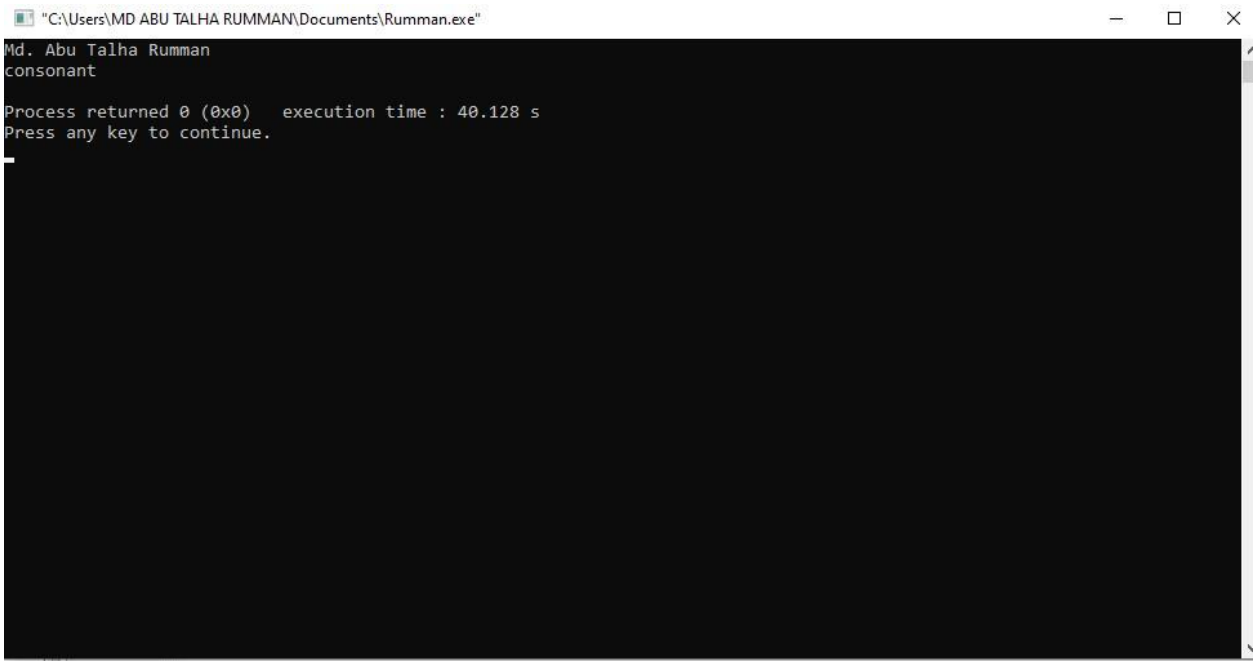
```
 }
 if(a<b && a<c)
 {
cout<<"a is the smallest"<<endl;
if(a%2==0)
{
cout<<"a is an even number";
 }
 Else
{
 cout<<"a is an odd number";
 }
 }
 return(0);
}
```

**Ans:**



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

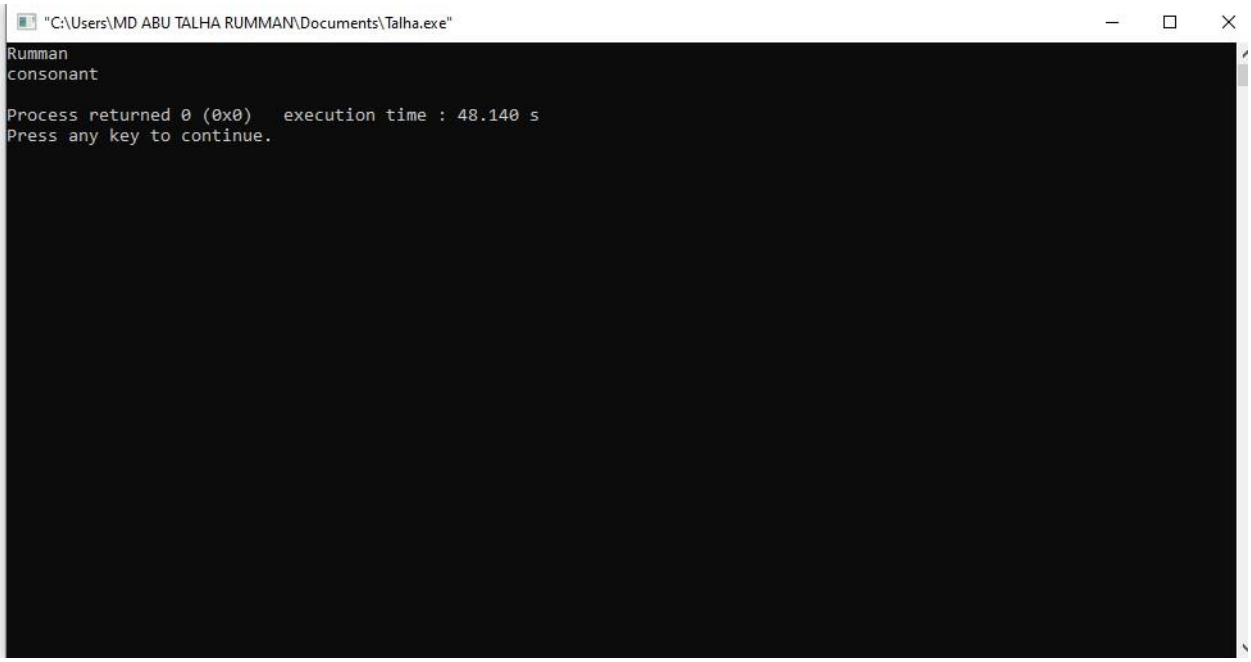
```
#include<iostream>

 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);

}
```




**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;

}
```

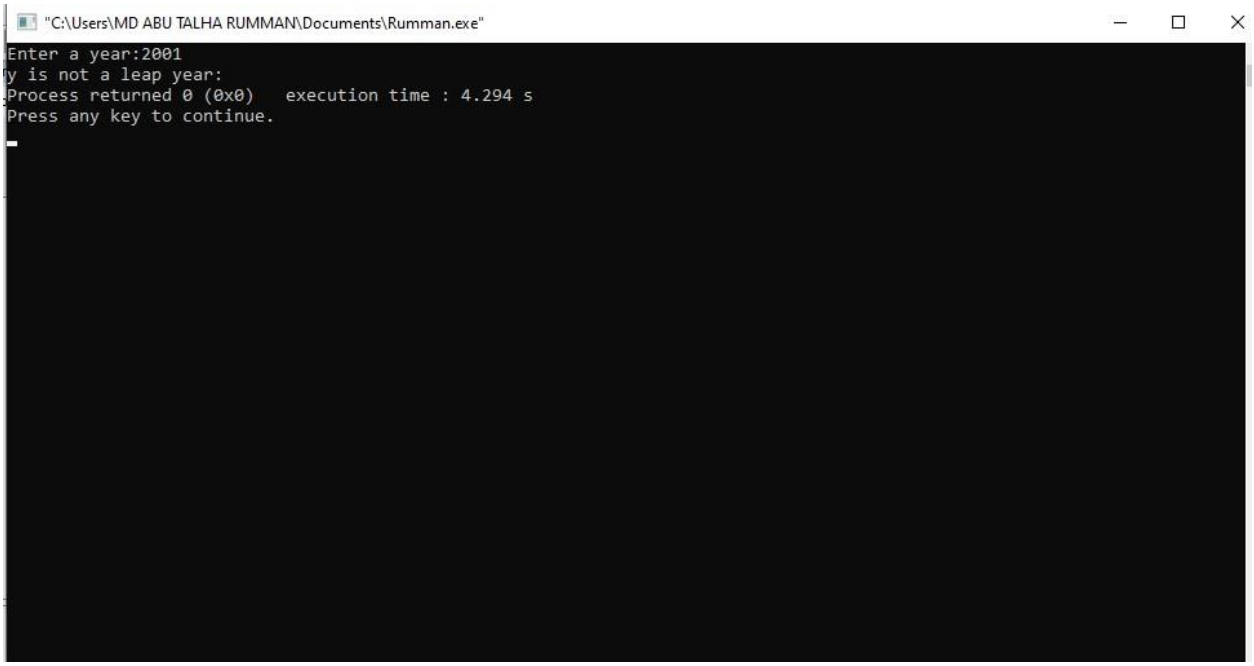
```
Else

{

cout<<"consonant"<<endl;

 }

 return 0;

}
```




**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 or400.)**

```
#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.