



Programming Fundamentals

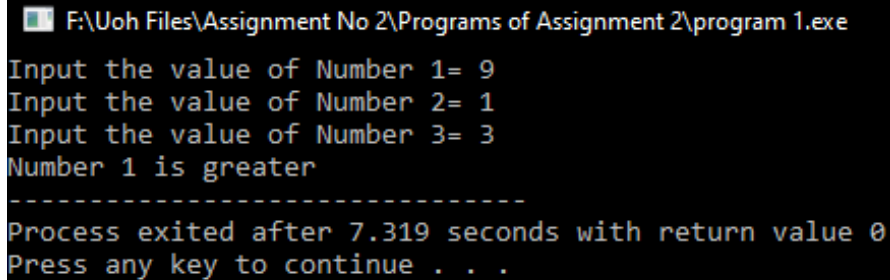
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Batch / Year : SPRING 2020
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Assignment No # 02

Program No 1:

```
#include <iostream>
using namespace std;
int main()
{   int Num1,Num2,Num3;
    cout<<"Input the value of Number 1 = ";cin>>Num1;
    cout<<"Input the value of Number 2 = ";cin>>Num2;
    cout<<"Input the value of Number 3 = ";cin>>Num3;
    if (Num1>Num2 && Num1>Num3)
    {cout<<"Number 1 is greater";}
    else if (Num2>Num1 && Num2>Num3)
    {cout<<"Number 2 is greater";}
    else if (Num3>Num2 && Num3>Num1)
    {cout<<"Number 3 is greater"; } }
```

Output:

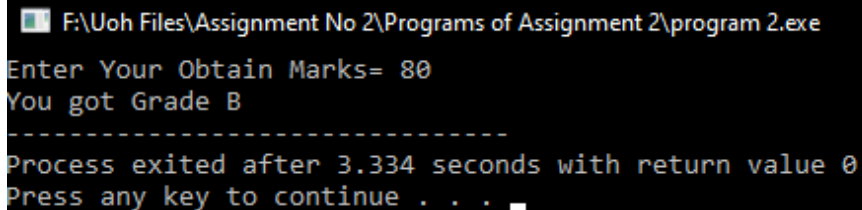


```
F:\Uoh Files\Assignment No 2\Programs of Assignment 2\program 1.exe
Input the value of Number 1= 9
Input the value of Number 2= 1
Input the value of Number 3= 3
Number 1 is greater
-----
Process exited after 7.319 seconds with return value 0
Press any key to continue . . .
```

Program 2:

```
#include <iostream>
using namespace std;
int main()
{   int marks;
    cout<<"Entered marks to check the grade= ";cin>>marks;
    if (marks<=100)
    {   if(marks>=90){cout<<"you got grade A";}
        else if(marks>=80){cout<<"you got grade B";}else if (marks>=70)
        {cout<<"you got grade C";}
        else if (marks>=60){cout<<"you got grade D";}else if(marks>=0)
        {cout<<"you got grade F";}
    }
    else
    {cout<<"you entered invalid marks";}
}
```

Output:

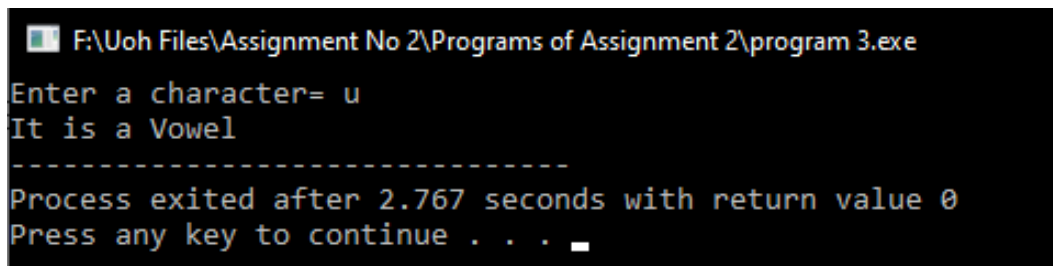


```
F:\Uoh Files\Assignment No 2\Programs of Assignment 2\program 2.exe
Enter Your Obtain Marks= 80
You got Grade B
-----
Process exited after 3.334 seconds with return value 0
Press any key to continue . . .
```

Program No 3:

```
#include <iostream>
using namespace std;
int main()
{ char A_Character;
  cout<<"Enter a character= ";cin>>A_Character;
  if (A_Character=='a' || A_Character=='e' || A_Character=='i' || A_Character=='o' || A_Character=='u' ||
  A_Character=='A' || A_Character=='E' || A_Character=='I' || A_Character=='O' || A_Character=='U')
  {cout<<"It is a Vowel";}
  else
  {cout<<"It is a Consonant";}}
```

Output:

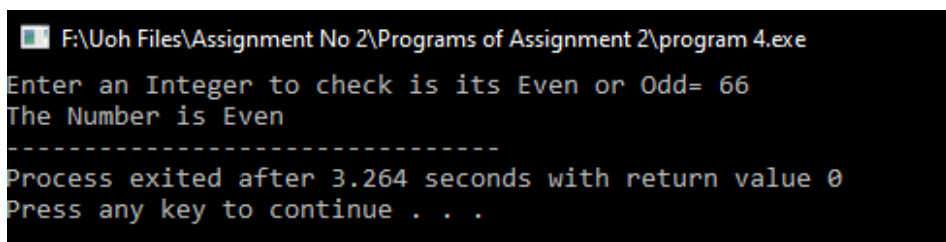


```
F:\Uoh Files\Assignment No 2\Programs of Assignment 2\program 3.exe
Enter a character= u
It is a Vowel
-----
Process exited after 2.767 seconds with return value 0
Press any key to continue . . .
```

Program No 4:

```
#include <iostream>
using namespace std;
int main()
{ int A_Var;
  cout<<"Enter an Integer to check is its Even or Odd= ";cin>>A_Var;
  if (A_Var%2==0)
  cout<<"The Number is Even";
  else{cout<<"The Number is Odd";}}
```

Output:



```
F:\Uoh Files\Assignment No 2\Programs of Assignment 2\program 4.exe
Enter an Integer to check is its Even or Odd= 66
The Number is Even
-----
Process exited after 3.264 seconds with return value 0
Press any key to continue . . .
```

Program No 5(With ASCII code):

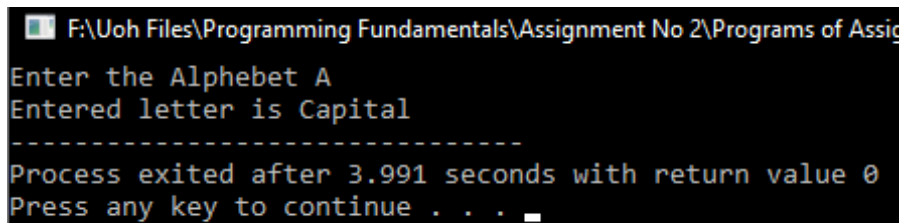
```
#include <iostream>
using namespace std;
int main()
{ char ch;
  cout<<"Enter the Alphebet ";cin>>ch;
  if (ch>=65 || ch>=97)
  { if(ch<=90)
    {cout<<"Entered letter is Capital";}
    else
    {cout<<"Entered letter is Small";}}
```

```
else
{cout<<"invalid num entered";}}
```

Program 5 (With Character Method):

```
#include <iostream>
using namespace std;
int main ()
{
    char ch;
    cout<<"Input Character =";cin>>ch;
    if (ch>='A' || ch<='Z' || ch<='a' || ch<='z')
    {
        if (ch<='A' || ch<='Z')
        {
            cout<<"You Entered Capital Character ";
        }
        else if (ch>='a' || ch<='z')
        {cout<<"You Entered Small Character ";} } }
```

Output:

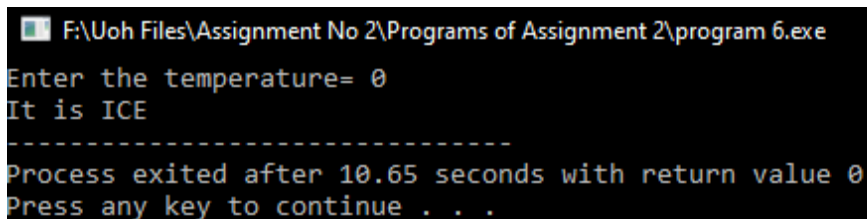


```
F:\Uoh Files\Programming Fundamentals\Assignment No 2\Programs of Assignment 2\program 5.exe
Enter the Alphabet A
Entered letter is Capital
-----
Process exited after 3.991 seconds with return value 0
Press any key to continue . . .
```

Program No 6:

```
#include <iostream>
using namespace std;
int main()
{   int temp;
    cout<<"Enter the temperature= ";cin>>temp;
    if (temp<=0)
    {cout<<"It is ICE";}
    else if (temp>0 && temp<100)
    {cout<<"It is Water";}
    else if (temp>=100)
    {cout<<"It is STREAM";}}
```

Output:



```
F:\Uoh Files\Assignment No 2\Programs of Assignment 2\program 6.exe
Enter the temperature= 0
It is ICE
-----
Process exited after 10.65 seconds with return value 0
Press any key to continue . . .
```

