



Programming Fundamentals

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Batch / Year : SPRING 2020
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Assignment No # 03

Write a program in C++ using switch statement that contain option as under

Enter 1--> To Find Largest Number Among Three Variables.

Enter 2--> To Find ODD or EVEN

Enter 3--> To Find Condition of Water

Enter 4--> To Find Grade Of Student

Program No 1:

```
#include <iostream>
using namespace std;
int main()
{
    int a;
    cout<<"Enter Number to do Specific Function = ";
    cin>>a;
    switch (a)
    {
        case 1:
            cout<<"To Find Largest Number Among Three Variables.\n";
            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"; }
            else if (Num1==Num2 && Num1==Num3)
            {
                cout<<"Three numbers are Equal";
            }
            else
            {
                cout<<"You entered invalid datatype";
            }
            break;

        case 2:
            cout<<"To Find ODD or EVEN\n";
            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";}
            break;

        case 3:
            cout<<"To Find Condition of Water\n";
            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";}
        break;
    case 4:
        cout<<"To Find Grade Of Student";
        int grade;
        cout<<"Enter Your Obtain Marks= "; cin>>grade;
        if (grade>=90)
        {cout<<"You got Grade A";}
        else if (grade>=80)
        {cout<<"You got Grade B";}
        else if (grade>=70)
        {cout<<"You got Grade C";}
        else if (grade>=60)
        {cout<<"You got Grade D";}
        else
        {cout<<"You are failed\nBetter Luck Next time";}
        break;

    default:
        break;
}
}

```

Output:

```

F:\Uoh Files\Programming Fundamentals\Assignment No 3\program 1.exe
Enter Number to do Specific Function = 1
To Find Largest Number Among Three Variables.
Input the value of Number 1= 3
Input the value of Number 2= 9
Input the value of Number 3= 4
Number 2 is greater

```

```

F:\Uoh Files\Programming Fundamentals\Assignment No 3\program 1.exe
Enter Number to do Specific Function = 2
To Find ODD or EVEN
Enter an Integer to check is its Even or Odd= 85
The Number is Odd

```

```

F:\Uoh Files\Programming Fundamentals\Assignment No 3\program 1.exe
Enter Number to do Specific Function = 3
To Find Condition of Water
Enter the temperature= 100
It is STREAM
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```

```

F:\Uoh Files\Programming Fundamentals\Assignment No 3\program 1.exe
Enter Number to do Specific Function = 4
To Find Grade Of StudentEnter Your Obtain Marks= 75
You got Grade C
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```