



# INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



**Subject:** Computer Science

**Topic:** Flow Control(IF & SWITCH)

**Worksheet No.:**4

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**Date:**\_\_\_\_\_

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**Class &Div:**XI \_\_

**Roll Number :** \_\_\_\_\_

1. What output will be the following code fragment produce? (i) if val=2000 (ii) if val=1000 (iii) if val=500  

```
void main() {
int val, res, n=1000;
cin >> val;
res = n+val >1750 ? 400:200;
cout << res; }
```
2. What will be the output of the following program segment? If input ch is as: (a) g (b) b (c) e (d) p  

```
switch (ch)
{ case 'g': cout << "Good";
case 'b': cout << "Bad";
break;
case 'e': cout << "excellent ";
break;
default: cout << "wrong choice"; }
```
3. What will be the output of the following program segment?  

```
void main() {
a=3;
a=a+1;
if (a>5)
cout << a;
else
cout << (a+5); }
```
4. Rewrite the following code using switch.  

```
if (ch == 'E')
    eastern++;
if (ch == 'W')
    western++;
if (ch == 'N')
    northern++;
else southern++;
```
5. **What will be the output of the following code fragment?**  

```
cin >> a;
if (a=5)
cout << "Five";
else
cout << "Not Five";
```

if the input given is (i)7 (ii)5?

6. What will be the output of the following code fragment?

```
int year;
cin>>year;
if(year%100==0)
    if(year%400==0)
        cout<<"LEAP";
    else
        cout<<"Not centaury year";
```

if the input given is (i)2000 (ii)1900 (iii) 1971?

7. What will be the output of the following code fragment when the input is (a) 'A' (b) 'C' (c) 'D' (d) 'F'?

```
cin>>ch;
switch(ch)
case 'A': cout<<"Grade A\n";
case 'B': cout<<"Grade B\n";
case 'C': cout<<"Grade C\n";
        break;
case 'D': cout<<"Grade D\n";
default: cout<<"Grade F\n";
}
```

8. Predict the output of following codes:

(a) if(!3)

```
{
    cout<<"Tricky\n";
}
```

cout<<"Yes";

(b) if(3)

```
    cout<<"Tricky again";
else
    cout<<"Am I right?";
    cout<<"No???";
```

(c) if(0)

```
cout<<"Third time Tricky";
cout<<"Am I right?";
```

(d) if(!0)

```
cout<<"Fourth time again";
cout<<"No???";
```

(e) if(0)

```
    cout<<"plz! Not again \n";
else
    cout<<"Promise, this is the last time";
    cout<<"Thank God!";
```