

# **Assignment**

Programming fundamentals

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## **➤ Error in programs**

I.

```
#include<iostream>
using namespace std;
int main()
{
    int a=3;
    if(a)
    {
        cout<<a;
    }
    return 0;
}
```

- True condition

II. #include<iostream>  
using namespace std;  
int main ()  
{  
 if (“abc”)  
 {  
 cout<< “abc”;  
 }

- Program will run because it is a logical error

III. a=13;  
if(a=3)  
{  
 cout<<a;  
}

int a=1;  
if(“a>=3”)  
{  
 cout<<a;  
}

## Output

## IV.

```
int a;  
a=7;  
if(a<=3)  
{  
    cout<<a;  
}  
cout <<a;  
else  
{  
    cout<<"hello";  
}
```

### Error

There will be no statement after if only else ,otherwise it will give syntax error.

```
V.    int a= 17;  
        if(a>=13);  
        {  
            cout<<"a";  
        }  
    else  
    {  
  
    }
```

- It will give logical error after if statement ,syntax error in else.

```
VI.   int a=1;  
        if(3>a<5)  
        {  
            cout<<a;  
        }
```

- Syntax error (two different relational operator used)

```
VII.  int a=1;  
        if()  
        {  
            cout<<a;  
        }  
    • Syntax error after if()
```

**VIII.**    else(a>3)

- Syntax error (after else there will be no condition)

**IX.**    int a=1;

```
    if (a!=1)
        cout<<a;
        cout<<a+1;
        cout <<a+2;
    else
    {
        cout<<3;
    }
```

- Error:

            else without if

**Output**

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**X.**    int a=3;

```
if(a!=3)
{
    cout<<a;
```

}

else if (a>3)

```
cout<<a;
```

```
cout<<a+1;
```

```
else
```

```
cout<<a;
```

```
cout<<a+1;
```

- Syntax error(else without if)