

Python_tutorial_2

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1 CONDITIONAL STATEMENTS

1.1 if... elif... else

1.2 SYNTAX:

```
if( _condition1_ ):
    ..some statements..
    ..some statements..
```

```
elif( _condition2_ ):
    ..some statements..
    ..some statements..
```

```
elif(_condition3_):
    ..some statements..
    ..some statements..
```

```
else :
    ..some statements..
    ..some statements..
```

1.3 Ex1.) Take integer input from user in a variable 'N', and print "even" if it is even otherwise "odd".

```
In [1]: N = int(input("Enter the number: "))
        if(N%2 == 0):
            print("even")
        else :
            print("odd")
```

```
Enter the number: 6
even
```

1.4 Ex2.) Take integer input from user and print square of it if it is “even and less than 8”. Else if the number is even but greater than 8 print “cube of it” otherwise print the following string: “LINUX IS AWESOME”

```
In [2]: N = int(input("Enter the number: "))
        if(N%2 == 0 and N<=8):
            print(N**2)
        elif(N%2 == 0 and N>8):
            print(N**3)
        else :
            print("LINUX IS AWESOME")
```

Enter the number: 8
64

```
In [3]: a=2
        b=3
        if a==2:
            print("A")
        if b==3:
            print("B")
        else:
            print("N")
```

A
B

2 LOOPS

2.1 WHILE LOOP:

2.2 Ex3.) Print the multiplication table (upto 10) of the user given integer.

```
In [4]: N = int(input("Enter the number: "))
        i=1
        while(i<=10):
            print(N*i)
            i = i+1
```

Enter the number: -4
-4
-8
-12
-16
-20
-24
-28

-32
-36
-40

2.3 FOR LOOPS:

2.3.1 Ex4.) Do Ex3 using for loop.

```
In [5]: N = int(input("Enter the number:"))  
        for i in range(1,11):  
            print(N*i)
```

Enter the number:8

8
16
24
32
40
48
56
64
72
80

```
In [ ]:
```