

python Workshop

Rahul Kumar

Computer Science and Engineering

BMS College of Engineering, Bangalore

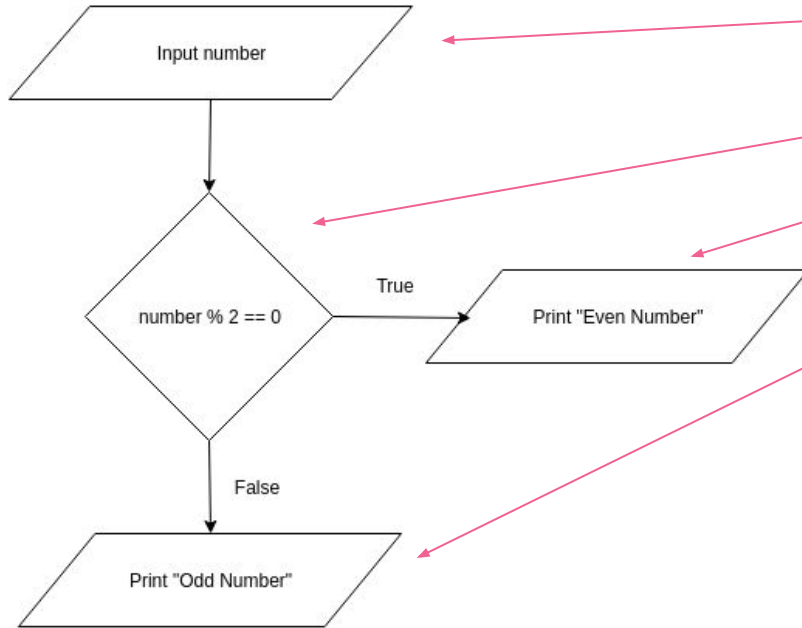
Conditional Statements

coding *style*

```
#include<stdio.h>
int main() {
    int a = 5;
    if(a > 5) {
        printf("a is greater than 5");
        printf("a = %d", a);
    }
    return 0;
}
```

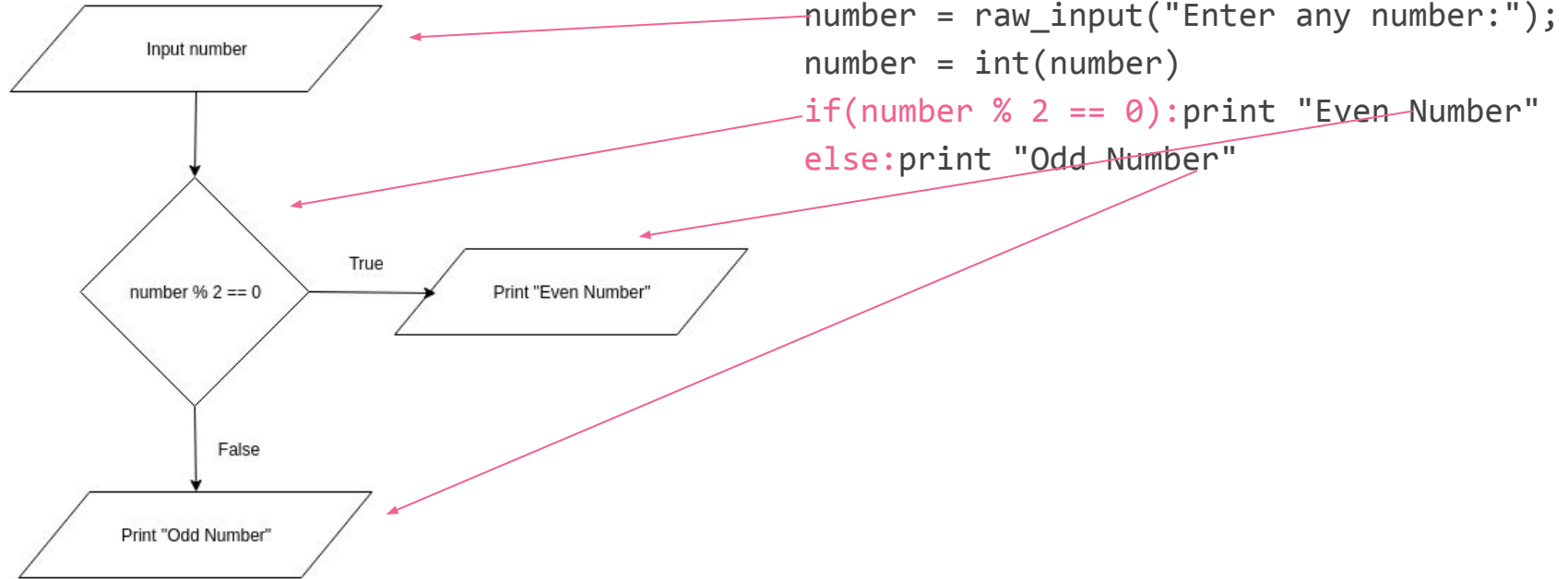
```
#include<stdio.h>
int main()
{
    int a = 5;
    if(a > 5)
    {
        printf("a is greater than 5");
        printf("a = %d", a);
    }
    return 0;
}
```

Flow Chart (if and else)

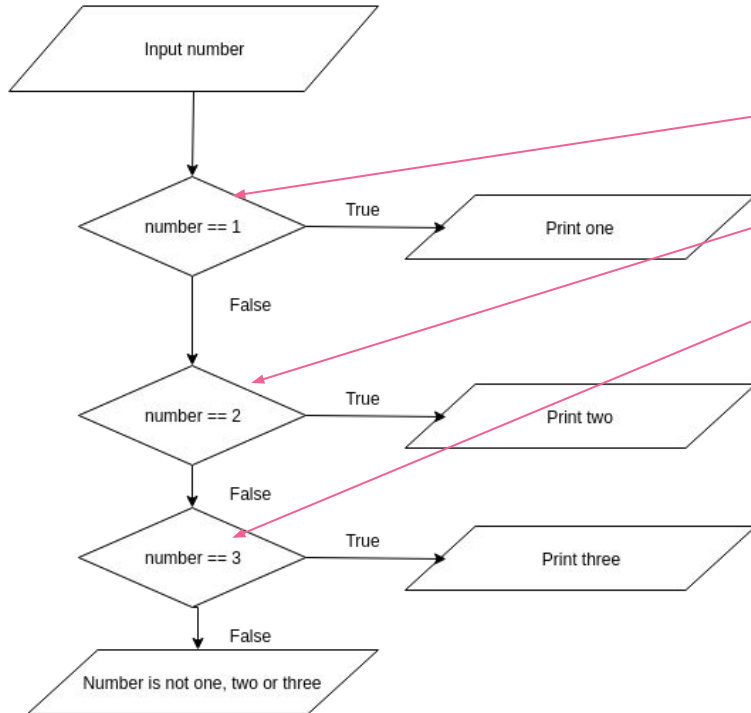


```
number = raw_input("Enter any number:");  
number = int(number)  
if(number % 2 == 0):  
    print "Even Number"  
else:  
    print "Odd Number"
```

Only for single statement in if block



Flow Chart (if.. elif.. else)



```
number = raw_input("Enter a number : ")
number = int(number)
if(number == 1):
    print "one"
elif(number == 2):
    print "two"
elif(number == 3):
    print "three"
else:
    print "Number is not one, two or three"
```

Comparison Operators

< Less than

<= Less than or Equal

> Greater than

>= Greater than or Equal

== Equal to

!= Not Equal to

Important! Very Very Important!

Increase indent indent after an if statement or for statement (after :)

Maintain indent to indicate the scope of the block (which lines are affected by the if/for)

Reduce indent back to the level of the if statement or for statement to indicate the end of the block

Blank lines are ignored - they do not affect indentation

Comments on a line by themselves are ignored with regard to indentation

Assignment 2

Write a program for your college grading system

SEE \geq 90 S

SEE \geq 75 A

SEE \geq 60 B

SEE \geq 50 C

SEE \geq 40 D

SEE $<$ 40 AND CIE $<$ 20 F

SEE $<$ 40 AND CIE \geq 20 X

ternary conditional operator in python

SYNTAX:

```
a if condition else b
```

EXMAPLE:

```
>>> "True" if (5>4) else "False"
```

```
'True'
```

```
>>> "True" if (5>6) else "False"
```

```
'False'
```

Thank You

rahulcomp24@gmail.com

python@bmsceieee.com

Assignments & Presentations:

<https://github.com/rahulcomp24/Python-Workshop-CS-Dept-BMSCE-May-2016>

