

### Que 1 Write a python program to check whether the given number is even or odd

```
num = int(input("Enter a number : "))
if (num%2) == 0:
    print("Even Number")
else:
    print("Odd Number")
```

Enter a number : 89  
Odd Number

```
num = int(input("Enter a number : "))
if (num%2) == 0:
    print("Even Number")
else:
    print("Odd Number")
```

Enter a number : 42  
Even Number

### Que.2 Write a Python program to guess a number between 1 to 9 using elif

```
import random
target_num, guess_num = random.randint(1, 10), 0
while target_num != guess_num:
    guess_num = int(input('Guess a number between 1 and 10 until you get it right : '))
print('Well guessed!')
```

Guess a number between 1 and 10 until you get it right : 1  
Guess a number between 1 and 10 until you get it right : 2  
Well guessed!

### Que.3 Write a Python program to count the number of even and odd numbers from a series of numbers

```
lst = [45,52,56,85,23,12,52,78,63,50,30]
```

```
even = 0
odd = 0
for i in lst:

    if i % 2 == 0:

        even += 1
```

```

    else:

        odd += 1

print("Even Number : ",even)

print("Odd Number : ",odd )

Even Number : 7
Odd Number : 4

```

**Que.4 Write an if statement that asks for the user's name via the input() function. If the name is "Bond" make it print "Welcome on bond 007." Otherwise, make it print "Good morning NAME". (Replace Name with user's name)**

```

username = input("Please enter your name")
if username == "Bond":
    print("Welcome on board 007")
else:
    print("Good morning " + username)

```

Please enter your name.saurabh  
Good morning saurabh

```

username = input("Please enter your name")
if username == "Bond":
    print("Welcome on board 007")
else:
    print("Good morning " + username)

```

Please enter your nameBond  
Welcome on board 007

**Que.5 Write a python program that accepts the 4 inputs from the user save them to a variable and Find the largest number using and keyword**

```

a = int(input("Enter the first number"))
b = int(input("Enter the second number"))
c = int(input("Enter the third number"))
d = int(input("Enter the fourth number"))

```

*# Find out the largest number*

```

if a>b and a>c and a>d:

```

```

    print("a is largest")
if b>a and b>c and b>d:
    print("b is largest")
if c>a and c>b and c>d:
    print("c is largest")
if d>a and d>b and d>c:
    print("d is largest")

```

Enter the first number45  
 Enter the second number89  
 Enter the third number63  
 Enter the fourth number47  
 b is largest

**Que.6 Convert the below english statement into code : values should be accepted from user If you got more than 50% marks in physics you will get new cycle**

```

physics = int(input("Enter the physics subject marks :"))
if physics>50:
    print("Get a new bicycle")
else:
    print("Don't get a new bicycle")

```

Enter the physics subject marks :60  
 Get a new bicycle

```

physics = int(input("Enter the physics subject marks :"))
if physics>50:
    print("Get a new bicycle")
else:
    print("Don't get a new bicycle")

```

Enter the physics subject marks :45  
 Don't get a new bicycle

**Que.7 Convert the below english statement into code : values should be accepted from user If you got more than 60% marks in maths then you will get new cycle else no pocket money**

```

maths = int(input("Enter the physics subject marks :"))
if maths>60:
    print("Get a new cycle")
else:
    print("No pocket money")

```

Enter the physics subject marks :65  
Get a new cycle

```
maths = int(input("Enter the physics subject marks :"))  
if maths>60:  
    print("Get a new cycle")  
else:  
    print("No pocket money")
```

Enter the physics subject marks :55  
No pocket money

**Que.8 Convert the below english statement into code : values should be accepted from user If you got more than 80% marks in maths, and more than or equal to 70% marks in science and more than or equal to 90% marks in English then you will get an ipad [NOTE: MAKE SURE THERE SHOULD BE ONE else Statement with each if statement with proper indentation]**

```
maths = int(input("Enter the marks on maths"))  
science = int(input("Enter the marks on science"))  
english = int(input("Enter the marks on English"))  
  
if maths>80:  
    print("Grade : B")  
else:  
    print("Don't get the grade B")  
if science>=70:  
    print("Grade : C")  
else:  
    print("Don't get the grade C")  
if english>=90:  
    print("You will be get an ipad")  
else:  
    print("Don't get the grade A")
```

Enter the marks on maths85  
Enter the marks on science75  
Enter the marks on English95  
Grade : B  
Grade : C  
You will be get an ipad

```
maths = int(input("Enter the marks on maths"))  
science = int(input("Enter the marks on science"))  
english = int(input("Enter the marks on English"))  
  
if maths>80:
```

```
        print("Grade : B")
else:
    print("Don't get the grade B")
if science<=70:
    print("Grade : C")
else:
    print("Don't get the grade C")
if english<=90:
    print("You will be get an ipad")
else:
    print("Don't get the grade A")
```

```
Enter the marks on maths75
Enter the marks on science65
Enter the marks on English95
Don't get the grade B
Don't get the grade C
You will be get an ipad
```