

# Assignment1

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### CLASS id:6

1.

a. Check whether a number input by the user is even or odd

**Program:**

```
num=int(input('Enter the number:')) #Taking input from the user
remainder = num%2 #Getting the reminder
if remainder==0:
    print('Entered number is an Even number.')
else :
    print('Entered number is an Odd number.')
```

b. Take length and breadth of a rectangle from user and print perimeter of the same.

```
#Taking dimensions of the rectangle from the user
l=int(input('Enter the length of the rectangle:'))
w=int(input('Enter the width of the rectangle:'))
#Printng output
print('Perimeter of the rectangle with lenth',l,'and width',w,'is' ,2*(l+w))
```

c. This is a number guess exercise. First pick a random digit via program i.e 0,1,2,3,4,5,6,7,8,9

```
import random

nums = range(1,100,1)
rand = random.choice(nums) #Randomly select number between 1 to 100
random =int(rand) #converting string to integer
guess=int(input('Guess the random number:')) #Taking input from the user

if (random>guess): #if condition to check which num is greater
    print('Guessed number is greater than required')
elif (random<guess):
    print('Guessed number is lower than required')
else:
    print('Your guess is correct, Congratulations:-)')

print('System guessed number is:',random) #Printing the system random pic number
```