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Loop Task

Task no:1

```
n = int(input("input number of terms:"))  
sum = 0  
even = 2  
for i in range(1, n+1):  
    sum += even  
    even += 2  
print("The sum of even Natural numbers  
upto ", n, " terms: ", sum)
```


Task no:2

```
import random  
a = random.randint(1, 9)  
print(a)
```

```
while(True):
```

```
    guess = int(input("Enter a number  
    between 1 to 9 to guess?"))
```

```
    if guess == a:
```

```
        print("The number is equal to  
        guess number")
```

```
    elif guess < a:
```

```
        print("The number is lower than  
        the guess number")
```

```
        Choice = input("Do you want to guess  
        again (y/n)?")
```

```
    else:
```

```
        print("The number is greater than  
        the guess number")
```

```
        Choice = input("Do you want to guess  
        again (y/n)?")
```

Task no: 4

```
vowels = "AEIOUaeiou"  
def is_vowel(letter):  
    if letter in vowels:  
        return True  
    else:  
        return False
```

```
Ch = input("input a letter:")  
x = is_vowel(Ch)  
if x == True:  
    print("Letter is vowel")  
else:  
    print("Letter is Consonant")
```