

9
10

6 : Even

8 : Even

Task-3

1. $a = [1, 2, 3, 4, 5]$

Add the number from list
Output: 15

$a = [1, 2, 3, 4, 5]$

Total = sum(a)

print(total)

Output
15

$1 + 2 + 3 + 4 + 5 = 15$

(odd) + (odd)

(even) + (even)

$1 + 3 + 5 = 9$

total

Even numbers

15

2. $a = [1, 2, 3, 4, 5, 6, 7, 8]$ - find how many odd number and even number in the list?

even - count

for num in a:

if (num % 2 == 0):

even - count += 1

else:

odd - count += 1

Print("Even numbers:", even - count)

Print("Odd numbers:", odd - count)

Output

Even numbers: 4

Odd numbers: 4

3.) Cube the number.

ex: input: 2

Output: 8

a = int(input("Enter the number:"))

Cube = a ** 3

print(Cube)

Output

Enter the number: 3

27

4. Find Circle area \rightarrow Circle area formula is πr^2

ex: input: 4

Output: 50.27

r = int(input("Enter the radius:"))

$\pi = 3.14 * r^2$

B.

5. Get the height from User.
if given height is less than 150, output will be Small
if given height is greater than or equal 150 and height less
than 165, output will be Average height.
if given height is greater than or equal 165 and height
less than 195, output will be Taller.
Otherwise output will be Abnormal height.

```
height = int(input("Enter your height:"))

if height < 150:
    print("Small")
elif height >= 150 and height < 165:
    print("Average height")
elif height >= 165 and height < 195:
    print("Taller")
else:
    print("Abnormal height")
```

Output

Enter your height : 155

Average Height

first
every
class

6. Get the name, rollnumber, Tamil, eng maths marks from user

```
name = input("Enter your name: ")
roll = input("Enter your roll number: ")
tamil = int(input("Enter Tamil mark: "))
english = int(input("Enter English mark: "))
maths = int(input("Enter Maths mark: "))
Total = Tamil + english + maths
print("Total marks: ", Total)
if Total > 90:
    print("First class")
elif Total > 80:
    print("Second class")
elif Total > 60:
    print("Third class")
elif Total > 35:
    print("Average")
else:
    print("Fail")
```

7.) Get the temperature from user.
if tem greater than or equal to 0 and less than 10, output will be Very Cold Weather
if tem greater than or equal to 10 and less than 20, output will be Cold Weather
if tem greater than or equal to 20 and less than 30, output will be normal weather

Otherwise Very hot

temp = int (input ("Enter the temperature :"))
Print (temp)
if (temp >= 0 and temp < 10):
 Print ("very cold weather")
elif (temp >= 10 and temp < 20):
 Print ("cold weather")
elif (temp >= 20 and temp < 30):
 Print ("normal weather")
elif (temp >= 30 and temp < 40):
 Print ("hot")
else:
 Print ("very hot")

output

Enter the temperature : 19

19

cold weather.

8. needed if

• Get the Electricity UNIT from user.