

MyCaptain Tasks

(September 2019-20 batch)

Submission By: Kanit Mann

Task 1:

```
r = float(input())
pi = 22/7
area = pi * r * r
print(area)
```

Task 2:

```
name = input()
print(name[-3:])
```

Task 3:

```
str1 = input("Enter a list element separated by  
space: ")
list1 = str1.split()
longest = 0
longest_word = 0
for word in list1:
    if len(word) > longest:
        longest = len(word)
        longest_word = word
print(longest)
```

Task 4:

```
str1 = input()
print(str1.upper())
print(str1.lower())
```

Task 5:

```
print("List of months: January, February, March,
April, May, June, July, August, September,
October, November, December")
m_name = input('Input the name of Month: ')
day_31 = ['january' , 'march' , 'may' , 'july' ,
'august' , 'october' , 'december']
if m_name.lower() in day_31:
    print('No. of days:31 days')
else:
    print('No. of days:30 days')
```

Task 6:

```
a,b,c = (input("Side 1:"), input("Side 2:"),
input("Side 3:"))
type1 = 'Scalene'
if a == b or a == c or b == c:
    if a == b and b == c and c == a:
        type1 = 'Equilateral'
    else:
        type1 = "Isosceles"
print("Type of triangle:", type1)
```

Task 7:

```
#to find median of 3 numbers
list1 = []
for i in [1, 2, 3]:
    a = int(input())
    list1.append(a)
list1.sort()
print(list1[1])
```

Task 8:

```
#product of elements in given list
count = 1
list1 = []
n = int(input("Enter number of elements in list:"))
for i in range(0,n):
    a = int(input())
    list1.append(a)
    count = count * a
print("Given list:" , list1)
print(count)
```

PTO:

Task 9:

```
list1 = []
count = 0
n = int(input("Enter number of elements in list:
"))
for i in range(0,n):
    a = int(input())
    list1.append(a)
for i in range(0,n):
    if list1[i] % 2 == 0:
        count += 1
odd = n - count
print("Number of even numbers:", count)
print("Number of odd numbers:", odd)
```

Task 10:

```
xxclass Rectangle():
    def __init__(self, l, w):
        self.length = l
        self.width = w

    def rectangle_area(self):
        return self.length*self.width

newRectangle = Rectangle(12, 10)
print(newRectangle.rectangle_area())
```