In [ ]:
```python
# Aut@r: Susana Edith Barrientos Galicia
# Problem 1

class CalculateClass():

    def squere(self):
        s = int(input("Enter square's side length: "))

        # calculate area of square
        sqt_area = s * s
        print("The area of square is ", sqt_area)


    def rectangle(self):
        l = int(input("Enter rectangle's length: "))
        b = int(input("Enter rectangle's breadth: "))

        # calculate area of rectangle
        rect_area = l * b
        print("The area of rectangle is ", rect_area)

    def triangle(self):

        h = int(input("Enter triangle's height length: "))
        b = int(input("Enter triangle's breadth length: "))

        # calculate area of triangle
        tri_area = 0.5 * b * h
        print(f"The area of triangle is ", tri_area)


    def circle(self):
        r = int(input("Enter circle's radius length: "))
        pi = 3.14

        # calculate area of circle
        circ_area = pi * r * r
        print("The area of circle is ", circ_area)


# Menu

num = 0
while True:
    try:
        num = int(input("\nEnter Option:\n1. Square \n2. Rectangle \n3.Triangl
    except ValueError:
        print("Please enter a valid integer 1-4")
        continue
    if num >= 1 and num <= 4:
        match num:
            case 1:
                instance = CalculateClass()
                instance.squere()
            case 2:
                instance = CalculateClass()
                instance.rectangle()
            case 3:
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                instance = CalculateClass()
                instance.triangle()
            case 4:
                instance = CalculateClass()
                instance.circle()
        break
    else:
        print('The integer must be in the range 1-4')
```

In [ ]:

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# Aut@r: Susana Edith Barrientos Galicia
# Problem 2

class Employee:

    def __init__(self, name, lastName):
        self.name = name.lower()
        self.lastName = lastName.lower()

    def mailEmployee(self):
        dominio="@abc.com"
        mailEmployee = "".join([self.name,".", self.lastName, dominio])
        print("His official email address is: ", mailEmployee)


name = input('Enter your Name: \n')
lastName = input('Enter your Last Name: \n')

# Letter Only Validation
if  name.isalpha() and  lastName.isalpha():
    emp1 = Employee(name, lastName)
    emp1.mailEmployee()
else:
    print('Please enter only letters')
```