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1. Write a program to check whether an alphabet is a vowel or consonant. Your program should ask the user to input an alphabet
VOWELS ARE (A,E,I,O,U)

```
letter = input("Enter the Alphabet")

if letter in ("A",'a'):
    print("alphabet is vowel")

elif letter in ("E","e"):
    print("alphabet is vowel")

elif letter in ("I","i"):
    print("alphabet is vowel")
elif letter in ("O","o"):
    print("alphabet is vowel")

elif letter in ("U","u"):
    print("alphabet is vowel")

else:
    print("alphabet is consonant")
```

```
Enter the Alphabet A
alphabet is vowel
```

2. Write a program to check a triangle is equilateral, isosceles or scalene. Your program should ask the user to input x,y,z values

```
x = int(input("length of triangle sides"))
y = int(input("input length of triangle sides"))
z = int(input("input length of tirangle sides"))

if x == y == z:
    print("Equilateral triangle")

elif x == y != z:
    print("isoscelene triangle")

else:
    print("Scalene triangle")
```

```
length of triangle sides 4
input length of triangle sides 4
input length of tirangle sides  4
Equilateral triangle
```

3. Modify a calculator you made in the last lab. This time your program ask user to enter the number and the operation you want to perform (+,-,*,/)

```
x = int(input("Enter the number "))
y = int(input("Enter the number "))

z = int(input("press 1 for add,press 2 for subt,press 3 for mult,press 4 for division"))
if z == 1 :
    print("add of x and y is",x + y)
elif z == 2:
    print("subt of x and y is",x - y)

elif z == 3:
    print("mult of x and y is",x* y)
elif z == 4:
    print("division of x and y is ",x / y)
else:
    print("numbers are correct")
```

```
Enter the number  4
Enter the number  5
press 1 for add,press 2 for subt,press 3 for mult,press 4 for division1
add of x and y is 9
```

4. Write a program that takes two variables—x, and y from user—and pass these two values to a function named largest_odd (user define function). Your function should print the

largest odd number between them. If none of them are odd, it should print a message to that effect.

```
def largest_odd(x,y):

    if x % 2 != 0 and y % 2 != 0:
        print(max(x,y),"Greatest odd number between them ")

    else:
        print(" none odd number between them")
largest_odd(7,9)
```

```
9 Greatest odd number between them
```