In

[1]:

Enter a number: 34

*#accept 5 numbers from user and count how many even odd numbers are there*

e\_count

**=**

0

o\_count

**=**

0

**for**

i

**in**

range

(

5

):

num

**=**

int

(

input

(

"Enter a number: "

))

**if**

num

**%**

2

**==**

0

:

print

(

"Even"

)

e\_count

**+=**

1

**else**

:

print

(

"Odd"

)

o\_count

**+=**

1

print

(

"even numbers are: "

,

e\_count

)

print

(

"Odd numbers are: "

,

o\_count

)

Even

Enter a number: 2

Even

Enter a number: 43 Odd

Enter a number: 54 Even

Enter a number: 21 Odd even numbers are: 3 Odd numbers are: 2

In

[2]:

Enter your marks: 23

p\_count

**=**

0

f\_count

**=**

0

**for**

i

**in**

range

(

5

):

num

**=**

int

(

input

(

"Enter your marks: "

))

**if**

num

**>=**

35

:

print

(

"Pass"

)

p\_count

**+=**

1

**else**

:

print

(

"Fail"

)

f\_count

**+=**

1

print

(

"pass students: "

,

p\_count

)

print

(

"fail students: "

,

f\_count

)

Fail

Enter your marks: 43

Pass

Enter your marks: 1

Fail

Enter your marks: 32 Fail

Enter your marks: 43 Pass pass students: 2 fail students: 3

In

[3]:

5

30

10 15 20 25

*#Output: 5 10 15 20 25 30*

**for**

i

**in**

range

(

5

,

31

,

5

):

print

(

i

,

end

**=**

" "

)

In

[6]:

mango

*# count fruits in list L1 = ["mango","banana","apple","papaya","mango"]*

L1

**=**

[

"mango"

,

"banana"

,

"apple"

,

"papaya"

,

"mango"

]

count

**=**

0

**for**

i

**in**

L1

:

print

(

i

)

count

**+=**

1

print

(

"no of fruits: "

,

count

)

banana apple papaya mango no of fruits: 5

In

[10]:

6 9 12 15 18 21 24 27 30 33 36

3

*#print*

'''

3 6 9 12 15 .....

2 5 8 11 14 .....

1 4 7 10 13 .....

'''

**for**

i

**in**

range

(

3

,

37

,

3

):

print

(

i

,

end

**=**

" "

)

print

()

**for**

i

**in**

range

(

2

,

36

,

3

):

print

(

i

,

end

**=**

" "

)

print

()

**for**

i

**in**

range

(

1

,

35

,

3

):

print

(

i

,

end

**=**

" "

)

2 5 8 11 14 17 20 23 26 29 32 35

1 4 7 10 13 16 19 22 25 28 31 34

**While loop**

In

[12]:

5

2 3 4

1

'''

Syntax:

initialization

while condition:

statement

updatoin

'''

*#print 1 to 5*

i

**=**

1

**while**

i

**<=**

5

:

print

(

i

,

end

**=**

" "

)

i

**+=**

1

In

[13]:

4 3 2

5

1

*# print 5 to 1*

i

**=**

5

**while**

i

**>=**

1

:

print

(

i

,

end

**=**

" "

)

i

**-=**

1

In

[14]:

1

11

3 5 7 9

*#print 1 3 5 9 11*

i

**=**

1

**while**

i

**<=**

11

:

print

(

i

,

end

**=**

" "

)

i

**+=**

2

In

[17]:

Enter a number: 34

*#take a number from user and then ask user that user wants to continue or not*

status

**=**

**True**

**while**

status

:

num

**=**

int

(

input

(

"Enter a number: "

))

**if**

num

**%**

2

**==**

0

:

print

(

"Even number"

)

**else**

:

print

(

"Odd number"

)

choice

**=**

input

(

"Do yoy want to continue?? press 'y' for yes and 'n' for no"

)

**if**

choice

**==**

"y"

**or**

choice

**==**

"yes"

:

status

**=**

**True**

**else**

:

status

**=**

**False**

Even number

Do yoy want to continue?? press 'y' for yes and 'n' for noyes

Enter a number: 62

Even number

Do yoy want to continue?? press 'y' for yes and 'n' for noy

Enter a number: 723

Odd number

Do yoy want to continue?? press 'y' for yes and 'n' for non