#TASK 1: TRACE THE FOLLOWING CODE, SHOW TRACING TABLE AND WRITE THE OUTPUTS.

```
x=1
while(x<=3):
  for i in range (x,1,-1):
    if (x%2==0 and i%2==0):
      print(x+i)
    else:
      print(x,i)
  print("I LOVE YOU",x*1000)
  x+=1
  print(x%3==0)
print("Agula kemon question?", end=" " )
print("-_____-")
```

#TASK 2: TRACE THE FOLLOWING CODE, SHOW TRACING TABLE AND WRITE THE OUTPUTS.

```
for i in range(0,5,2):
  for j in range(0,i*2+1,2):
    print(i,j)
  print(i==0.5*j)
```

#TASK 3: TRACE THE FOLLOWING CODE, SHOW TRACING TABLE AND WRITE THE OUTPUTS.

```
count=1
while(True):
  x=0
  while(x<=count):
    if (x**2%2==0):
      print("****bro",x)
```

```python
    else:
      print("I'm stuck",x)
    x+=1
  count+=2
  if(count>5):
   print("#"*4, "sis rescued")
   break
```

#TASK 4:

TAKE A RANGE (Inclusive) FROM THE USER AND FIND ALL THE PERFECT NUMBERS WITHIN THAT RANGE.

Sample input

Lower range: 5

Upper range: 30

Output:

6

28

#TASK 5

TAKE A NUMBER FROM THE USER AND SEPERATE ALL THE DIGITS FROM:

A) RIGHT TO LEFT

B) LEFT TO RIGHT

YOU CANNOT USE STRING OR ANY BUILT-IN FUNCTION EXCEPT FOR len()

Sample input

1234

Output:

Right to Left:

4

3

2

1

Left to Right:

1

#TASK 6

TAKE AN INPUT N (N ALWAYS GRATER THAN 2) AND PRIINT THE FIRST N FIBONACCI NUMBERS

Sample input #1

5

Output:

0

1

1

2

3

Sample input #2

8

Output:

0

1

1

2

3

5

8

13

3

4

#TASK 7

TAKE THE HEIGHT OF A RIGHT TRIANGLE AND PRINT IT USING "*"

Sample input #1

4

Output:

*

**

***

****

Sample input #2

6

Output:

*

**

***

****

*****

******

#TASK 8

KEEP TAKING NUMBER INPUTS FROM THE USER UNTIL THEY ENTER "DONE".

PRINT ALL THE EVEN-POSITIVE NUMBERS AND FIND THE MAXIMUM, MINIMUM AND AVERAGE

OF THOSE EVEN-POSITIVE NUMBERS.

Sample input

6

2

-2

3

0

5

8

DONE

Output:

6

2

0

8

Max: 8

Min: 0

Average: 4.0