Nested Loop 5

Take all the inputs from the user
Use BufferedReader

Q1

write a program to print the following pattern

```
D4    C3    B2    A1
A1    B2    C3    D4
D4    C3    B2    A1
A1    B2    C3    D4
```

USE THIS FOR LOOP STRICTLY for the outer loop
Int row;
Take the number of rows from user
for(int i =1;i<=row;i++){

}

Q2

write a program to print the following pattern

```
#     =     =     =     =
=     #     =     =     =
=     =     #     =     =
=     =     =     #     =
=     =     =     =     #
```

USE THIS FOR LOOP STRICTLY for the outer loop
Int row;
Take the number of rows from user
for(int i =1;i<=row;i++){

}

Q3

write a program to print the following pattern

```
5     4     3     2     1
```

8 6 4 2
9 6 3
8 4
5

USE THIS FOR LOOP STRICTLY for the outer loop
Int row;
Take the number of rows from user
for(int i =1;i<=row;i++){

}

Q4

WAP to print all even numbers in reverse order and odd numbers in the standard way. Both separately. Within a range. Take the start and end from user

Input: Enter start number - 2
Enter End number - 9
Output:
8 6 4 2
3 5 7 9

Q5

write a program to print the following pattern
Row =4

0
1 1
2 3 5
8 13 21 34

USE THIS FOR LOOP STRICTLY for the outer loop
Int row;
Take the number of rows from user
for(int i =1;i<=row;i++){

}

Q6

Write a program, and take two characters if these characters are equal then print them as it is but if they are unequal then print their difference.
{Note: Consider Positional Difference Not ASCIIs}

Input: a p
Output: The difference between a and p is 15

Q7

write a program to print the following pattern
Row =5;

```
O
14    13
L     K     J
9     8     7     6
E     D     C     B     A
```

Row = 4

```
10
I     H
7     6     5
D     C     B     A
```

USE THIS FOR LOOP STRICTLY for the outer loop

Int row;
Take row from user
for(int i =1;i<=row;i++){

}

Q8

write a program to print the following pattern
Row =8

```
$
@     @
&     &     &
#     #     #     #
$     $     $     $     $
@     @     @     @     @     @
&     &     &     &     &     &     &
#     #     #     #     #     #     #     #
```

USE THIS FOR LOOP STRICTLY for the outer loop

Int row;

Take row from user
for(int i =1;i<=row;i++){

}

Q9

Write a program to take a number as input and print the Addition of Factorials of each digit from that number.
Input: 1234
Output: Addition of factorials of each digit from 1234 = 33

Q10

write a program to print a series of prime numbers from entered range. (Take a start and end number from a user)

Perform dry run at least from 10 to 20 …

Input:-
Enter starting number: 10
Enter ending number: 100

Output:-

Series = 11 13 17 19 ….. 89 97