

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 ASCII}

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