

## CODING CHALLRNGE QUESTIONS FOR JAVA STUDENTS

BASIC PROGRAMS(USE SUITABLE LOOPS(EX: DO..WHILE, FOR,WHILE))

1. How to reverse a number in java.
2. Write a program to check whether the input number is palindrome or not
3. Write a java program that takes 5 numbers as input and calculate the average of the number
4. Write a program to check whether the number is Armstrong or not
5. Write a java program to print prime numbers within limits
6. Write a java program to swap two numbers without creating third variable
7. Write a program to check whether the input year is Leap year or not
8. How to create a star pyramid pattern using '\*' in Java

```
* * * * *
  * * * *
    * * *
      * *
        *
```

9. Write A program To Print Full Diamond Pattern Using '\*' In Java

```
      *
    ***
  *****
*****
*****
*****
  *****
    ***
      *
```

10. Write A Program To Print Inverted Half Pyramid Pattern Using Numbers In Java

```
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

11. Write A Program To Print Hollow Rectangle Using "\*" In Java

```
* * * *  
*       *  
* * * *
```

12. Create A Number Pyramid Program In Java

```
1  
2 3  
4 5 6  
7 8 9 10  
11 12 13 14  
15 16 17 18 19  
20 21 22 23 24 25
```

13. Create A Number Pyramid Program In Java

```
5  
4 4 4  
3 3 3 3 3  
2 2 2 2 2 2 2  
1 1 1 1 1 1 1 1 1
```

14. Create A Pattern Program In Java Using Letters

```
A B C D E  
A B C D  
A B C  
A B  
A
```

15. Create A Pattern Program in java Using numbers

```
5 5 5 5 5  
4 4 4 4 4  
3 3 3 3 3  
2 2 2 2 2  
1 1 1 1 1
```

