

**Programming Language- Java**

Write the code for the following and Draw the screen shot with proper controls

1. To find whether the given number is even or odd
2. To find maximum of two integers
3. To check whether the given number is within a range or not
4. Display number  
1,2,3,... 10  
2,4,6, ... 10  
1,3,5,7,...9
5. Sum of Series  
1+2+3+..  
2+4+6...  
1+3+5+...  
 $1^2 + 2^2 + \dots , 1^2 + 3^2 + \dots , 2^2 + 4^2 + \dots$
6. Enter a number and check whether it is positive or negative or zero.
7. Enter three numbers and display smallest
8. Enter three numbers and display largest
9. Enter marks and on clicking the command button Click it should display  
“ You passed” if marks are greater than 33 otherwise “ You Failed”

10. Enter Percentage and display grade on the basis of the following

Percentage	Grade
$\geq 60$	A
$\geq 40$ $\leq 59$	B
$< 40$	C

11. Enter the month number and print the corresponding name of the month ( January , February ..) .
12. Enter a year and check whether the given year is a leap year or not
13. Display even numbers between 1 and 40
14. Display odd number between 1 and 40
15. Display sum of first n natural numbers
16. Enter a number and print all the numbers from 1 to that number
17. Display the factorial of a number (using for , while loop)
18. Enter the week day number and print the corresponding weekday ( Sunday , Monday,....) .
19. Input a digit and print it in words
20. To input amount of purchases during a sale , then calculates the discounted prices( a 10% discount is taken on purchases over Rs.1000/-)