Practice Program

Output Based:

1. WAP to display “Welcome to Java 12” on the output screen.

   Output : Welcome to Java 12

2. WAP to display “Good Evening, Welcome to Programming” on the output screen.

   Output : Good Evening,

   Welcome to Programming

3. WAP to print “enter an integer” on the output screen.

   Output: enter an integer

4. WAP to print “hello world!!!!” on the output screen.

   Output: hello world!!!!

5. WAP to print “enter your name” on the output screen.

   Output: enter your name

Variable Declaration, initialization & displaying value on the output screen

1. WAP to declare and initialize two variable of type integer and print there value on the output screen.

   Hint : int input1 = 20;

   int input2 = 30;

   Output: input1 = 20;

   input2 = 30;

2. WAP to declare variables of all 8 primitive type, initialize and print them on output screen.
3. WAP to solve the following expression:

   2 + 3 – 5 *2 /5; store the result in a variable and print it on the output screen.
4. WAP to solve the expression :

   22 / 7 ; store the result in a variable and print it on the output screen.
5. WAP to solve the expression :

   23 % 10 ; store the result in a variable and print it on the output screen.
6. WAP to declare and initialize two double type variable. Print the result of addition of these variables on the output screen

   Hint: double input1 = 3.14;

   double input2 = 5.0;

   Output :

   the sum of two variables = 8.14
7. WAP to solve the expression :

   -2 % 5 ; store the result in a variable and print it on the output screen.
8. WAP to solve the expression :

   -2 % -5 ; store the result in a variable and print it on the output screen.
9. WAP to solve the expression :

   2 % -5 ; store the result in a variable and print it on the output screen.
10. WAP to solve the expression :

    23 / 10 ; store the result in a variable and print it on the output screen.
11. WAP to solve the expression :

23.0 / 10 ; store the result in a variable and print it on the output screen.

12. WAP to solve the expression :

    23 / 10.0 ; store the result in a variable and print it on the output screen.

13. WAP to declare variable to store your name (String name), mobile no and email (String email).

    Hint : use reference variable of String class for name and email.

    String name = “Ravi”;

    String email = “ravi@gla.ac.in”;

User Input using Scanner class

1. WAP to accept two integers from user, perform addition on them and display the result on the output screen.
2. WAP to accept name form the user and print welcome message with user name.

   Input : Ravi

   output : Welcome Ravi
3. WAP to declare variables of all 8 primitive type, initialize them by taking value from user and print them on output screen.

   Hint: Scanner class doesn't provide direct method for character input, to get character input use the following code;

   ```
   Scanner sc = new Scanner(System.in);

   char input = sc.next().charAt(0);
   ```
4. WAP to accept name, age, gender form user and print them on output screen.
5. WAP to accept two numbers from user and print the result of division of two number on the output screen.

Input : 10 & 0

Output : check the output for given input,

6. WAP to accept first name, middle name & last name form user and print them on output screen.

Conditional Statement & Iterative Statements

1. WAP to accept two numbers from user and print the greatest of them on output screen.
2. WAP to accept three numbers from user and print the smallest of the three on output screen.
3. WAP to accept a number from user and check whether number is even or odd. For even number print number is even and for odd number print number is odd.
4. WAP to accept a number from user and check whether it is divisible by 5. If number is divisible by 5 print Number is divisible by 5 else print number is not divisible by 5.
5. WAP to accept a number form user and print number of digits in the number.
6. WAP to accept a number form user and print all its digits.
7. WAP to accept a digit from user and print it in words.

   Input = 7

   output = seven
8. WAP to accept a number form user and print all its digits in word.

   Input = 4532

   output : Two

   Three

   Five

Four

9. WAP to accept two numbers from user, perform addition and display result. Then ask user whether he want to perform more addition by pressing 1 or 0 to exit.

10. WAP to accept a number and print the number in reverse.

    Input = 12345

    output = 54321

11. WAP to accept a number form user and check whether the number is palindrome. If number is palindrome print it is palindrome else print not a palindrome.

    Input = 121

    output = It is palindrome

    input = 122

    output = not a palindrome

12. WAP to accept a number from user until user enter 2000 as a input.

13. WAP to accept numbers from user until user enter 20 even numbers.

14. WAP to accept numbers from user until the sum of all entered number is less then 100.

Methods Declaration and Calling

1. WAP to perform addition of two numbers by using a user defined function called add. Create a method called add which accept two arguments of type int and return an integer value by performing addition of these two arguments.

   Hint : int add(int input1, int input2){

}

2. WAP to display hello world on output screen using a method called display, which doesn't accept any arguments and will not return any value. This method will print hello world on output screen.
3. WAP to create a method called isEven which accept one argument of type int and return a boolean value true if number is even and false if number is odd.
4. WAP to create a method called reverse, which accept one integer argument and return a integer which is reverse of the input.
5. WAP to create a method called isPalindrome, which accept one argument and return a boolean value true if number is palindrome else false. This function will use the reverse function for reversing the givn number.