**Week-2 Level-2**

1)Print Odd and Even Numbers

Import java.util.Scanner;

Public class OddEven {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter a number: “);

Int number = scanner.nextInt();

For (int I = 1; I <= number; i++) {

If (I % 2 == 0) {

System.out.println(I + “ is even”);

} else {

System.out.println(I + “ is odd”);

}

}

Scanner.close();

}

}

2)Employee Bonus Calculation

Import java.util.Scanner;

Public class EmployeeBonus {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter salary: “);

Double salary = scanner.nextDouble();

System.out.print(“Enter years of service: “);

Int years = scanner.nextInt();

If (years > 5) {

Double bonus = salary \* 0.05;

System.out.println(“Bonus amount: “ + bonus);

} else {

System.out.println(“No bonus”);

}

Scanner.close();

}

}

3)Multiplication Table from 6 to 9

Import java.util.Scanner;

Public class MultiplicationTable {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter a number: “);

Int number = scanner.nextInt();

For (int I = 6; I <= 9; i++) {

System.out.println(number + “ \* “ + I + “ = “ + (number \* i));

}

Scanner.close();

}

}

4)FizzBuzz Program

Import java.util.Scanner;

Public class FizzBuzz {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter a number: “);

Int number = scanner.nextInt();

For (int I = 1; I <= number; i++) {

If (I % 3 == 0 && I % 5 == 0) {

System.out.println(“FizzBuzz”);

} else if (I % 3 == 0) {

System.out.println(“Fizz”);

} else if (I % 5 == 0) {

System.out.println(“Buzz”);

} else {

System.out.println(i);

}

}

Scanner.close();

}

}

5)FizzBuzz Using While Loop

Import java.util.Scanner;

Public class FizzBuzzWhile {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter a number: “);

Int number = scanner.nextInt();

Int I = 1;

While (I <= number) {

If (I % 3 == 0 && I % 5 == 0) {

System.out.println(“FizzBuzz”);

} else if (I % 3 == 0) {

System.out.println(“Fizz”);

} else if (I % 5 == 0) {

System.out.println(“Buzz”);

} else {

System.out.println(i);

}

I++;

}

Scanner.close();

}

}

6)Find Youngest and Tallest Among Three Friends

Import java.util.Scanner;

Public class YoungestTallest {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

Int[] ages = new int[3];

Double[] heights = new double[3];

For (int I = 0; I < 3; i++) {

System.out.print(“Enter age of friend “ + (I + 1) + “: “);

Ages[i] = scanner.nextInt();

System.out.print(“Enter height of friend “ + (I + 1) + “ in meters: “);

Heights[i] = scanner.nextDouble();

}

Int youngest = Math.min(ages[0], Math.min(ages[1], ages[2]));

Double tallest = Math.max(heights[0], Math.max(heights[1], heights[2]));

System.out.println(“Youngest friend is “ + youngest + “ years old”);

System.out.println(“Tallest friend is “ + tallest + “ meters tall”);

Scanner.close();

}

}

7)Find Factors of a Number

Import java.util.Scanner;

Public class Factors {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter a number: “);

Int number = scanner.nextInt();

System.out.println(“Factors:”);

For (int I = 1; I <= number; i++) {

If (number % I == 0) {

System.out.println(i);

}

}

Scanner.close();

}

}

8)Find Greatest Factor of a Number (excluding itself)

Import java.util.Scanner;

Public class GreatestFactor {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter a number: “);

Int number = scanner.nextInt();

For (int I = number – 1; I > 0; i--) {

If (number % I == 0) {

System.out.println(“Greatest factor: “ + i);

Break;

}

}

Scanner.close();

}

}

9)Find Power of a Number

Import java.util.Scanner;

Public class PowerCalculation {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter base number: “);

Int base = scanner.nextInt();

System.out.print(“Enter exponent: “);

Int exponent = scanner.nextInt();

Int result = 1;

For (int I = 0; I < exponent; i++) {

Result \*= base;

}

System.out.println(base + “^” + exponent + “ = “ + result);

Scanner.close();

}

}

10)Find Multiples of a Number Below 100

Import java.util.Scanner;

Public class Multiples {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print(“Enter a number: “);

Int number = scanner.nextInt();

System.out.println(“Multiples below 100:”);

For (int I = 1; I < 100; i++) {

If (I % number == 0) {

System.out.println(i);

}

}

Scanner.close();

}

}