22 February, 2019

LAB EXERCISE – 2 – ANSWERS

QUESTION 01

**import** java.io.IOException;

**import** java.util.Scanner;

**public** **class** Question01 {

**public** **static** **void** main(String[] args) **throws** NumberFormatException, IOException {

**int**[] Int\_List = **new** **int**[99];

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

**int** List\_Len, Counter, Average, Result = 0;

System.***out***.println("Please, Could you give valid array length.");

List\_Len = sc.nextInt();

**int** Sum = 0;

**if** (List\_Len > 0 && List\_Len < 100) {

**for** (Counter = 1; Counter <= List\_Len; Counter++) {

System.***out***.println("Please, Enter value.");

Int\_List[Counter] = sc.nextInt();

Sum += Int\_List[Counter];

}

Average = Sum / List\_Len;

**for** (Counter = 1; Counter <= List\_Len; Counter++) {

**if** (Int\_List[Counter] > Average)

Result++;

System.***out***.println("Average is: " + Result);

}

} **else** {

System.***out***.println("Error - list length value is not legal");

}

}

}

QUESTION 02

**import** java.util.Scanner;

**public** **class** Question02 {

**public** **static** **void** main(String[] args) {

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

System.***out***.println("Enter valid integer: ");

**int** integer = sc.nextInt();

**while** (integer != 42) {

System.***out***.println(integer);

System.***out***.println("Enter valid integer: ");

integer = sc.nextInt();

}

}

}

QUESTION 03

**import** java.util.Scanner;

**public** **class** Question03 {

**public** **static** **void** main(String[] args) {

**int**[] Int\_List = **new** **int**[99];

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

System.***out***.println("Enter valid integer: ");

**int** pointer = 0;

**while** (**true**) {

**boolean** finish = pointer == 99 ? **false** : **true**;

**if** (finish) {

Int\_List[pointer] = sc.nextInt();

**if** (Int\_List[pointer] == 42) {

**break**;

} **else** {

System.***out***.println(Int\_List[pointer]);

}

pointer++;

} **else** {

System.***out***.println("Out of range!");

**break**;

}

}

}

}

QUESTION 04

**public** **class** Question04 {

**public** **static** **void** main(String[] args) {

**int** x = 5;

**int** s = 0;

**while**(x!=0) {

s+=x;

x = x-1;

}

System.***out***.println(s);

}

}

QUESTION 05

**public** **class** Question04 {

**public** **static** **void** main(String[] args) {

**int** x = 5;

**int** s = 0;

**while**(x!=0) {

s+=x;

x = x-1;

}

System.***out***.println(s);

}

}