1.sum of hardcoded numbers

The sum of 35 and 89 is 124

2.==============================

Key in the first integer number

23

Key in the second integer number

45

Inside method sum()

The sum of 23 and second number 45 is 68

3. ==============================

Key in the first integer number

56

Key in the second integer number

90

The first number is 56

The second number is 90

The sum is 146

4.==============================

Key in the begining of the number

50

Key in the last number

120

The even numbers are

50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120

The odd numbers are

51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99 101 103 105 107 109 111 113 115 117 119

5.=============================

Key in the number

5

The multiples of the given number are

5 \* 1 = 5

5 \* 2 = 10

5 \* 3 = 15

5 \* 4 = 20

5 \* 5 = 25

5 \* 6 = 30

5 \* 7 = 35

5 \* 8 = 40

5 \* 9 = 45

5 \* 10 = 50

6.=============================

inside sum(int a)

Incrementing 25 by 10 is 35

inside sum(int a,int b)

The sum of two integers 67 +78 is 145

inside sum(float a,float b)

The sum of two real numbers 25.0 +34.2 is 59.2

7.Answer for question number 7

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The overloaded methods in java requires the name of the method to be same but the return value and the input parameters can be different.

In the below code the method “sum” is overloaded thrice. Each method has different return type (First and second).

In all the three methods the number and type of input parameters are varying.

**public** **class** acad6 {

//Overloaded methods

**public** **int** sum(**int** a, **int** b)

{

System.***out***.println("inside sum(int a,int b)");

**return** a+b;

}

**public** **float** sum(**float** a , **float** b)

{

System.***out***.println("inside sum(float a,float b)");

**return** a+b;

}

**public** **int** sum(**int** a){

System.***out***.println("inside sum(int a)");

**return** a+10;

}

}

8.=========================================

Enter no. of elements you want in array:5

Enter all the elements:

12

34

21

32

0

Descending Order:34,32,21,12,0