**Assignment 1:**

**Write a program to print the sum of two numbers without using + operator. Other operators have to be used.**

**package** Day1;

**import** java.util.Scanner;

**public** **class** Problem1 {

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

// **TODO** Auto-generated method stub

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

System.***out***.println("Enter 2 nos: ");

Integer a = input.nextInt();

Integer b = input.nextInt();

Integer c=a-(-b);

System.***out***.println("Sum of both numbers :" + c);

}

}

OUTPUT:

Enter 2 nos:

10

3

Sum of both numbers :13

**Assignment 2:**

**Write a program to print the result of the following expressions provided the integer variable a is**

**20 and b is 10.**

**int b= a-- - --a;**

**int c=a--;**

**int d=a>>2;**

**int e=a&b;**

**package** Day1;

**public** **class** problem2 {

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

// **TODO** Auto-generated method stub

**int** a = 20;

**int** b = a-- - --a;

System.***out***.println("Value of expression : b = a-- - --a is " +b);

**int** c=a--;

System.***out***.println("Value of expression : c=a-- is " +c);

**int** d=a>>2;

System.***out***.println("Value of expression : d = a>>2 is " +d);

**int** e=a&b;

System.***out***.println("Value of expression : e=a&b is " +e);

}

}

OUTPUT:

Value of expression : b = a-- - --a is 2

Value of expression : c=a-- is 18

Value of expression : d = a>>2 is 4

Value of expression : e=a&b is 0

**Assignment 3:**

**Write a program that swaps the values of two variables without using third variable.**

**package** Day1;

**public** **class** problem3 {

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

**int** x = 40;

**int** y = 2;

System.***out***.println("Before swap:");

System.***out***.println("x value: "+x);

System.***out***.println("y value: "+y);

x = x+y;

y=x-y;

x=x-y;

System.***out***.println("After swap:");

System.***out***.println("x value: "+x);

System.***out***.println("y value: "+y);

}

}

OUTPUT :

Before swap:

x value: 40

y value: 2

After swap:

x value: 2

y value: 40

**Assignment 4:**

**Write a program to print the characters corresponding to ASCII codes from 65 to 90.**

**package** Day1;

**public** **class** problem4 {

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

// **TODO** Auto-generated method stub

**char** achar;

**for**(achar='A';achar<='Z';achar++)

{

System.***out***.print((**byte**)achar + " - " + achar);

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

}

}

}

OUTPUT:

65 - A

66 - B

67 - C

68 - D

69 - E

70 - F

71 - G

72 - H

73 - I

74 - J

75 - K

76 - L

77 - M

78 - N

79 - O

80 - P

81 - Q

82 - R

83 - S

84 - T

85 - U

86 - V

87 - W

88 - X

89 - Y

90 - Z