

اور اس دن سے ڈرو جب کوئی کسی کے کچھ کام نہ آئے اور نہ کسی کی سفارش منظور کی جائے اور نہ کسی سے کسی طرح کا بدلہ قبول کیا جائے اور نہ لوگ (کسی اور طرح) مدد حاصل کر سکیں۔ البقرۃ آیت ۴۸

### Solution Homework 01

#### [Print Statements, Mathematical Expressions, Relation & Logical Expressions]

##### Task 1

System.out.println(5+"\t*\t"+1+"\t=\t "+5*1);	5 * 1 = 5
System.out.println(5+"\t*\t"+2+"\t=\t "+5*2);	5 * 2 = 10
System.out.println(5+"\t*\t"+3+"\t=\t "+5*3);	5 * 3 = 15
System.out.println(5+"\t*\t"+4+"\t=\t "+5*4);	5 * 4 = 20
System.out.println(5+"\t*\t"+5+"\t=\t "+5*5);	5 * 5 = 25
System.out.println(5+"\t*\t"+6+"\t=\t "+5*6);	5 * 6 = 30
System.out.println(5+"\t*\t"+7+"\t=\t "+5*7);	5 * 7 = 35
System.out.println(5+"\t*\t"+8+"\t=\t "+5*8);	5 * 8 = 40
System.out.println(5+"\t*\t"+9+"\t=\t "+5*9);	5 * 9 = 45
System.out.println(5+"\t*\t"+10+"\t=\t "+5*10);	5 * 10 = 50

##### Task 2

System.out.println("1");	1
System.out.println(" 2");	2
System.out.println("   3");	3
System.out.println("    4");	4
System.out.println("     5");	5

##### Task 3

System.out.println("1      1");	1      1
System.out.println(" 2      2");	2      2
System.out.println("   3      3");	3      3
System.out.println("    4      4");	4      4
System.out.println("     55");	55

##### Task 4

Write print statement for following mathematical expressions?	
$\frac{5}{2}$	System.out.println(5/2);
1. $\frac{5+3}{2.0}$	System.out.println((5+3)/2.0);
2. $\frac{5+3}{1.5+2.5}$	System.out.println((5+3)/(1.5+2.5));
3. $\frac{5}{2.0} - \frac{3}{2.0}$	System.out.println(5/2.0-3/2.0);

##### Task 5

Write print statement for following logical expressions?	
$2 = 3$ and $3 < 5$	System.out.println (2=3 && 3<5);
1. $5 \neq 3$ or $3 == 6$	System.out.println (5!=3    3==6);
2. Not $5 \neq 3$ or $3 == 6$	System.out.println (!( 5!=3    3==6));
3. Not $5 \neq 3$ or Not $3 == 6$	System.out.println (!(5!=3 )    !( 3==6) );