Assignment-2

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| 1 | Evaluate the following expressions:<br>**(a) g = big / 2 + big * 4 / big - big + abc / 3 ;**<br>(abc = 2.5, big = 2, assume **g** to be a float) |
| | **(b) on = ink * act / 2 + 3 / 2 * act + 2 + tig ;**<br>(ink = 4, act = 1, tig = 3.2, assume **on** to be an int) |
| | **(c) s = qui * add / 4 - 6 / 2 + 2 / 3 * 6 / god ;**<br>(qui = 4, add = 2, god = 2, assume **s** to be an int) |
| | **(d) s = 1 / 3 * a / 4 - 6 / 2 + 2 / 3 * 6 / g ;**<br>(a = 4, g = 3, assume **s** to be an int) |
| 2 | Enter 4 digit numbers through keyboard. Write a program to obtain the sum of 1st and last digits of this number. |
| 3 | If a five-digit number is input through the keyboard, write a program to reverse the number. |
| 4 | Write a program to swap two numbers. Initially if a is 5 and b is 6 after swapping a should become 6 and b as 5. |
| 5 | Find out the sum of squares of first n numbers |
| 6 | Find out the average of n numbers. |
| 7 | The mark price and discount is entered through keyboard. Sometimes seller gets profit of x % or some time loss of y % depends on discount. Write a program to determine whether the seller has made profit or incurred loss. Also determine how much profit he made or loss incurred. |
| 8 | Write a program to print the sum of digits of any positive number |
| 9 | Write a program to accept a number and find sum of its individual digits repeatedly till the result is a single digit. For example, if the given number is 4687 the output should be 7. |