

1. Write a pseudocode to accept principle, rate of interest and time. Calculate simple interest and display the same
2. Write a pseudocode to accept two numbers. Display the two numbers. Swap the two numbers and display them again.
3. Write a pseudocode to accept a number and display whether it is an even or odd number
4. Write a pseudocode to accept a double value. Separate the whole value from the fractional value and store them in two variables. Display the same.
5. Write a pseudocode to accept a student's name and scores in three subjects. Display the average and total. Display whether the student has secured 1st, 2nd, pass class or has failed. 1st class is for a score of 60 and above, 2nd is for a score of 50 and above, while pass class is for a score of 35 and above. If the score is less than 35, then the student fails.
6. Write a pseudocode to find the largest and second largest of 3 numbers
7. A vendor offers software services to a client. Each resource is billed at some dollar rate per hour. The total cost of the project for the client is, therefore, the total number of hours contributed by all the vendor resources \* the dollar rate / hour. There are however some variants.

The vendor might have purchased hardware/infrastructure or software licenses needed for the project.

The vendor might have utilized external consultants for the project.

The client looks at the vendor as a one-stop solution and hence external resources employed by the vendor need to be paid by the vendor.

It might however be possible that the vendor's hardware and software purchases are borne by the client. In this case, the client pays the vendor 30% of the hardware/infrastructure costs. In case of software licenses, the client pays the vendor 50% of the cost, if they are commonly available and used, or 100% if the software is infrequently used or is proprietary client technology.

The external consultants employed by the vendor will come at a dollar rate per hour.

Accept the suitable inputs and display the profits / loss realized by the vendor.

9. Write a pseudocode to find the sum of all odd numbers from 1 to N. Accept N. Display the sum.
10. Write a pseudocode to find the reverse of a number. Store the reverse value in a different variable. Display the reverse.

11. Write a pseudocode to display a number in words.

Ex. 270176

Output: Two Seven Zero One Seven Six

12. Write as many pseudocodes to generate the following series. In all the following cases, accept N:

4, 16, 36, 64, ... N

1, -2, 3, -4, 5, -6, ... N

1, 4, 27, 256, 3125, ... N

1, 4, 7, 12, 23, 42, 77, ... N

1, 4, 9, 25, 36, 49, 81, 100, ... N

1, 5, 13, 29, 49, 77, ... N