

QUESTIONS FOR PRACTICAL ASSIGNMENT CLASS 12

1. Write a program to input a sentence and display only those words which begin and end with vowel.

2. A non-palindrome word can be made a palindrome word just by adding the reverse of the word to the original word. Write a program to accept a non-palindrome word and display the new word after making it a palindrome.

Sample Input :

JAVA

Sample Output :

The new word making it palindrome as:

JAVAAVAJ

3. Write a program to accept a word and convert it into lower case, if it is in upper case. Display the new word by replacing only the vowels with the letter following it.

Sample Input : computer Sample Output : cpmptfr

4. Write a program to accept a sentence. Display the sentence in reversing order of its word.

Sample Input: All the Best

Sample Output: Best the All

5. Write a program to enter a Sentence and display the longest word.

Sample Input: AALI IS THE MOST INTELLIGENT STUDENT IN THE CLASS

Sample Output: INTELLIGENT

6. Neil has a terrible habit of deleting the last two letters of a word beginning with 'E' and adding a single letter 'O' in their place. Like Example becomes Exampo Write a program to convert a given word Exterminate or Ellipse according to Neil's habit.

7. A name is to be said as Oliver name if the ASCII code of each character is an odd number. Write a program to accept a name and check whether the given name is Oliver name or not.
8. Write a program in Java to accept a String and display the new string after removing all the vowels present in it.
Sample Input: COMPUTER SCIENCE
Sample Output: CMPTR SCNC
9. Write a program in Java to enter a sentence. Frame a word by joining all the first characters of each word of the sentence. Display the word.
Sample Input: Guinness World Record
Sample Output: GWR
10. Write a program to input a sentence and display the word of the sentence that contains maximum number of vowels.
Sample Input: HAPPY NEW YEAR
Sample Output: The word with maximum number of vowels: YEAR
11. Write a program in Java to store 20 numbers (even and odd numbers) in a Single Dimensional Array (SDA). Calculate and display the sum of all even numbers and all odd numbers separately.
12. Write a program to accept name and total marks of N number of students in two SDA's $n[]$ and $tm[]$. Calculate and print:
 - (a) The average of the total marks obtained by N number of students.
 - (b) Deviation of each student's total marks with the

average.

[deviation = total marks of a student - average]

13. Write a program to input the number of students in a class. Create two single dimension arrays one for storing the name and the other for storing the marks. Accept the data for all students. Input a name and check if the name is present in the array or not. If name is present print the name along with the marks. Otherwise print name not found.
14. Write a program to accept 10 names in a SDA. Display the names whose first letter matches with the letter entered by the user.
15. Define a class Triplet with the following specifications:
Class name — Triplet
Data Members — int a, int b, int c
Member Methods:
void getdata() — to accept three numbers
void findprint() — to check and display whether the numbers are Pythagorean Triplets or not.
Create a main function to create object of the class and other functions.

Dear Students of Computer Science of Class XII: Kindly make the above programs in your Practical Note Book.

Take Care of the following:

1. **Programs should be written in clear handwriting**
2. **Programs must be accompanied with variable description table**
3. **Index should be maintained.**
4. **Check the Program for any errors.**