PROBLEMSOLVINGLABUSING C

COURSE OUTCOMES (COS):
1. Enable them to read, understand and trace the execution of the programs written in C language
2. Enable them to develop programming skills.
3. Enable them to write the C code for a given algorithm

Write,andexecuteCprogramforthefollowing:

1. Toreadradiusofacircle andtofindareaandcircumference.
2. Toread threenumbersand find thebiggest of three.
3. Tocheck whetherthenumberis primeor not.
4. To read a number, find the sum of the digits, reverse the number and check it forpalindrome.
5. To read numbers from keyboard continuously till the user presses 999 and to find the sumofonly positive numbers.
6. To read percentage of marks and to display appropriate message (Demonstration of else-ifladder.
7. Tofindtherootsofquadraticequation.
8. To read marks scored by n students and find the average of marks (Demonstration ofsingledimensional array).
9. ToremoveDuplicateElementin asingledimensionalArray.
10. Toperform additionandsubtractionofMatrices.
11. Tofind factorialof anumber.
12. TogenerateFibonacciseries.
13. ToremoveDuplicateElementinasingledimensionalArray using functions.
14. Tofind thelength ofastring withoutusing builtinfunction.
15. Todemonstratestringfunctions.
16. Toread,displayandaddtwomxnmatricesusingfunctions.
17. To read a string and to find the number of alphabets, digits, vowels, consonants, spacesandspecial characters.
18. ToSwapTwoNumbers usingPointers.
19. Todemonstratestudent structureto read& displayrecordsof nstudents.
20. Todemonstratethedifferencebetweenstructure&union.