

Fundamentals of Computer Programming

UNIT II: Branch and Loops Question Bank

1. What are decision control statements in C? Explain all with example.
2. Does a break is required by default case in switch statement?
3. In a switch statement, what will happen if a break statement is omitted?
4. What are all decision control statements in C?
5. Why is default statement used in switch case in C?
6. Differentiate between for loop and a while loop? What are its uses?
7. Explain the syntax for 'for' loop
8. What is a nested loop?
9. What are all loop control statements in C?
10. What is the difference between while and do-while loops in C?
11. What is an infinite loop?
12. Write a program to find a number is even or odd.
13. Write a program to find year is leap year or not.
14. Write a program to find greatest number among three numbers using nested if else.
15. Write a program to print sum of digits of a number using modulus operator.
16. Write a program to print reverse of a number.
17. Write a program that shows concept of switch case.
18. Write a program to find percentage, total marks and status(first division/second division/third division/fail) of a student by taking five subjects with the help of nested if-else.
19. What are loop control structures? Explain for loop, while loop and do-while loop with their syntax.
20. Explain break, continue and goto+ statement with example and their use.
21. Write a program to print series of number divisible by 3 from 1 to 100 using for loop.
22. Write a program to find factorial of a number using for loop.
23. Write a program to print Fibonacci series.
24. Write a program to find a number is prime number or not.
25. Write a program to print pyramid of star using nested for loop.

*	1	1	1	*	1 2 3 4 5
**	12	22	2 3	* *	1 2 3 4
***	123	333	4 5 6	* * *	1 2 3
****	123	4444	7 8 9 10	* * * *	1 2
*****	12345	55555	11 12 13 14 15		1

26. Write a program to print table of a number given by user.
27. Write a program to find a number is Armstrong number or not.
28. Write a program to print series of number from 1 to 100 those are divisible by 5 and 7 both.