1. Write a program to print Non-prime numbers from 1 to 100 using for, while and do-while loop?
2. Write a program to find the grade based on total marks obtained using switch and if else conditions?
3. Write a program to print 3 multiplication program and skip the even number in the output using while, do-while and loop.

Excepted Output: 3,9,15,21….

1. Write a program that prints values from 1 to 100 so that the program exits by using the

break keyword at value 47

1. Write a java program to accept 3 integer numbers and print the max value.
2. Write a program to find maximum and minimum values from given integer array

variable.

1. Write a java program to accept marks for 5 subjects and print min, max &amp; average of 5

marks.

1. Write a java program to print Electricity bill &amp; usage. Accept number of units consumed

and based on the below requirements, print the bill amount and Usage

(Min/Moderate/High)

o Upto 50 units charge = Rs 250 - Minimum Usage

o 51 - 100 units, charge = Rs 5 per unit - Moderate Usage

o Above 100 units, charge = Rs 8 per unit - High Usage

1. Write a program called SumAndAverage to produce the sum of 1, 2, 3, ..., to an

upperbound (e.g., 100). Also compute and display the average. The output shall look

like:

The sum is 5050

The average is 50.5

1. Write a program to display the below pattern

1

1 2 3

1 2 3 4

1 2 3 4 5

1. Write a program called SquareBoard that displays the following n×n (n=5) pattern using

two nested for-loops.

# # # # #

# # # # #

# # # # #

# # # # #

# # # # #

1. 50. Write a program called CheckerBoard that displays the following n×n (n=7)

checkerboard pattern using two nested for-loops.

# # # # # # #

# # # # # # #

# # # # # # #

# # # # # # #

# # # # # # #

# # # # # # #

# # # # # # #

1. Write a program that displays the following pattern

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1. Display out as below from string ‘corenuts’;

c

co

cor

core

coren

corenu

corenut

corenuts

1. Write a program called TimeTable to produce the multiplication table of 1 to 9 as shown

using two nested for-loops:

\* | 1 2 3 4 5 6 7 8 9

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1 | 1 2 3 4 5 6 7 8 9

2 | 2 4 6 8 10 12 14 16 18

3 | 3 6 9 12 15 18 21 24 27

4 | 4 8 12 16 20 24 28 32 36

5 | 5 10 15 20 25 30 35 40 45

6 | 6 12 18 24 30 36 42 48 54

7 | 7 14 21 28 35 42 49 56 63

8 | 8 16 24 32 40 48 56 64 72

9 | 9 18 27 36 45 54 63 72 81

16. Write a program called Fibonacci to display the first 20 Fibonacci numbers F(n),

where F(n)=F(n–1)+F(n–2) and F(1)=F(2)=1. Also compute their average. The output shall

look like:

The first 20 Fibonacci numbers are:

1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765

The average is 885.5

17. Sort (ascending &amp; descending order) the elements from an integer array.

18. Sort the array elements using bubble &amp; selection &amp; insertion sort algorithm

19. Write a program to search an element from array using sequential &amp; binary search algorithms.

20. Write a program to check whether given number is palindrome or not?

21. Create a switch statement that prints a message for each case, and put the switch inside a for loop that tries each case. Put a break after each case and test it, then remove the breaks and see what happens.

22. Write a program that generates 25 random int values. For each value, use an if-else statement to classify it as greater than, less than, or equal to a second randomly-generated value

23. Modify the above exercise so that your code is surrounded by an “infinite” while loop. It will then run until you interrupt it from the keyboard (typically by pressing Control-C).