**PRACTICAL FILE LIST INDEX**

**CLASS XI/ 2019-20**

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| **SNO** | **PROGRAM** | **DATE** | **SIGNATURE** |
| 1. | To accept two integers and print their sum. |  | Done |
| 2. | To accept radius of a circle and prints its area and circumference. |  | **done** |
| 3. | To compute area of square and triangle. |  | **done** |
| 4. | To input principal, rate and time and compute simple interest and compound interest. |  | **done** |
| 5. | To input two numbers and print their quotient and reminder. |  | **done** |
| 6. | To input a number and check whether it is even or odd. |  | **done** |
| 7. | To input age of a person and check his eligibility to vote. |  | **done** |
| 8 | To input three numbers and find largest and smallest amongst them. |  | **done** |
| 9. | To print roots of a quadratic equation ax2 + bx +c=0 (where a≠0). |  | **done** |
| 10 | To input a student’s marks in three subjects (out of 100) and prints the sum and percentage of marks. Also, print the grade based on the table given below.   |  |  | | --- | --- | | Percentage | Grade | | >=90 | A1 | | >=80 and <90 | A2 | | >=70 and<80 | B1 | | >=60 and <70 | B2 | | >=50 and <60 | C | | >=40 and <50 | D | | <40 | E | |  | **done** |
| 11. | To print first n Natural numbers and their sum where n is accepted from the user. |  | **done** |
| 12 | To calculate factorial of an integer accepted from the user. |  | **done** |
| 13 | To accept a number and check whether it is a palindrome or not. |  | **done** |
| 14 | To print table of a given number till 10. |  | **done** |
| 15 | To print first 10 numbers of the Fibonacci series. i.e. 0 1 1 2 3 5 8... . |  | **Done** |
| 16 | To print following patterns on screen:  a.  \*  \*\*  \*\*\*  \*\*\*\*  b.  54321  5432  543  54  5  c.  1  23  456  78910 |  | **Done all 3** |
| 17 | To add the odd numbers up to(and including) a given value N and print the result. |  | **done** |
| 18 | To compute the greatest common divisor and the least common multiple of two integers accepted from the user. |  | **done** |
| 19 | To print the sum of the series till N where N is accepted from user: 12+22 +32 +42 +52 +….+N2 |  | **done** |
| 20 | To input a number and check whether it is an Armstrong number or not. |  | **done** |
| 21 | To input a string and check whether it is a palindrome or not. |  | **done** |
| 22 | To input a string and print it character wise on screen. |  | **done** |
| 23 | To input a list and print the reverse of the list. |  | **done** |
| 24 | To input a list and print the highest and lowest element in the list. |  | **done** |
| 25 | To input a list and perform bubble sort. |  | **done** |
| 26 | To input a list and perform insertion sort. |  | **done** |
| 27 | To input a list and perform linear search. |  | **Done** |
| 28 | To input a list and perform binary search. |  | **done** |
| 29 | To input 5 elements in a dictionary and print them on screen |  | **done** |
| 30 | SQL Commands : Use of create, insert, delete, update and all variations of select statement. |  |  |