**Problem Solving Using Computer Lab**

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| **Assignment**  **No.** | **Title** | **Week**  **No.** |
| 2. | 1. Simple Programs on the if-else statement: 2. Write a PYTHON program to check if a number is even or odd. 3. Write a PYTHON program to find the greater among two numbers. 4. Write a PYTHON program to check whether a person is an adult or not. 5. Write a PYTHON program to check whether a given number is positive or not. 6. Write a PYTHON program to check whether a number is divisible by 2 and 3. 7. Write a PYTHON program to check whether a number is divisible by 3 or 5. 8. Write a PYTHON program to check the greatest among 3 numbers. 9. Write a PYTHON program to check the greatest among 3 numbers using the ternary operator. 10. Write a PYTHON program to check if a year is a leap year or not. 11. Write a PYTHON program to calculate the electric bill amount, according to the given chart   =1 - 100 unit - 5/-  = 101-200 unit - 7/-  =201-300 unit - 10/-  = above 300 – 15/-   1. Write a PYTHON program to calculate the student grade using if-else.   If percentage > 85 print A grade, If percentage < 85 && percentage >= 75 print B grade, If percentage < 75 && percentage >= 50 print C grade, If percentage > 30 && percentage <= 50 print D grade, If percentage <30 print fail.   1. Write a PYTHON program to convert the temperature from Celsius to Fahrenheit and vice versa. 2. Write a PYTHON program to check whether the last digit of a number is divisible by 3 or not. 3. Write a PYTHON program to check whether a number is buzz or not. 4. Write a PYTHON program to check whether a number is automorphic or not. 5. Write a PYTHON program to input any alphabet and check whether it is vowel or consonant. 6. Write a PYTHON program to input any character and check whether it is alphabet, digit or special character. 7. Write a PYTHON program to check whether a character is uppercase or lowercase alphabet. 8. Write a PYTHON program to input week number and print week day. 9. Write a PYTHON program to calculate profit or loss. 10. Write a PYTHON program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following: Percentage >= 90% : Grade A , Percentage >= 80% : Grade B Percentage >= 70% : Grade C, Percentage >= 60% : Grade D Percentage >= 40% : Grade E, Percentage < 40% : Grade F   24. A school display a notice on the school notice board regarding admission in Class XI for choosing streams according to the marks obtained in English, Maths and Science in Class X Council Examination.  25. | 3 & 4 |