

Good morning students .
XIIB Computer Science :
Teacher : BIPLAB DAS
Study materials for (13th May 2020) .

Go through the solved exercises
questions of the both first and second
chapter of Reeta Sahoo .

This reference book will help you to
enhance your's practical skills .

I think you have go through both the
chapters and the solved problems
already .

So, do the practical programs of the Lab
work2 of chapter 2 pages (87-88) .

Homework will be uploaded by 14th
May , Thursday (9pm) .

Thanks .

Lab Work

1. Write a program to print an input number that is positive or negative.
2. Write a program to print an input character that is alphabet or a digit.
3. Write a program for an input day number and print the respective character day.
Note. 0-Sunday, 1- Monday, etc.
4. Write a program that asks the user to enter two numbers, i.e. Num and N. Also, checks if Num it is divisible by N or not.
5. Write a program to find the Fibonacci Series of numbers till 20.
So that the series looks like 0, 1, 1, 2, 3, 5, 8, 13
6. Write a program asking for a password, and comparing it with a pre-stored string. If the string is equal with password, print 'You entered the right password' else print 'Wrong password'.
7. Write a program to find the sum of square of the following expression:
 $1^2 + 2^2 + 3^2 + 4^2 + 5^2$
8. Write a program to find the factorial of all numbers between 1 and 10 using nested for loop.
9. Write a program to compute the average of 10 real numbers using while loop.
10. Write a program to enter a number and print both the number and its reverse on your screen.

11. Write a program to perform sum of the following series:
$$x - \frac{x^2}{3!} + \frac{x^3}{5!} - \frac{x^4}{7!} + \frac{x^5}{9!} - \dots$$
 up to n terms.
(Note : The symbol '!' represents Factorial of a number, i.e.,
 $5! = 5 \times 4 \times 3 \times 2 \times 1$)
12. Write a function to find the sum of series.
 $(1) + (1+2) + (1+2+3) + (1+2+3+4) \dots$ up to N terms.
13. Write a function to find the sum of series.
 $(12) + (12+32) + (12+32+52) + (12+32+52+72) \dots$ up to N terms.
14. Write a program that reads a word and writes it out with the letters at even positions in uppercase, and the letters at odd positions in lower case.