

Tribhuvan University  
Mahendra Morang Adarsh Multiple Campus  
Biratnagar, Morang  
**Assignment-02**

Subject: Computer Programming (B. Sc. CSIT)  
First Semester

**Date of Submission: 2075/11/01**

**Assignment submitted after submission date shall not be entertained.**

1. Define Conditional Statement. Classify it in detail along with syntax and example.
2. WAP to check if an input number is exactly divisible by 5 or not.
3. WAP to check whether an input character is vowel or consonant.
4. WAP to check whether an input number is leap year or not.
5. WAP to input number in second and convert it in hh:mm:ss format.
6. WAP to calculate the exact age ( yy/mm/dd) of person.
7. WAP to find the greatest number among 4 different input number.
8. WAP to check if a person falls under adult,child or elder citizen age group.
9. Define Looping. Classify different types of loops used in C.
10. WAP to generate hailstone series.
11. WAP to generate Fibonacci series.
12. WAP to check if an input number is prime or not.
13. WAP to print the series of prime number from 1 to 100.
14. WAP to check if an input number is Armstrong or not.
15. WAP to print the series
  - a. 1,3,5,7,9....20 terms
  - b. 5,6,9,12,16,....10 terms
  - c.  $\frac{1}{x^2} + \frac{1}{x^4} + \frac{1}{x^6} + \dots$  10 terms
16. Mention any five difference between while, do...while loop
17. WAP to print the series

```
1          1          *
11         12         **
111        123        ***
1111       1234       ****
11111      12345      *****
          *
          **
          ***
          ****
          *****
```

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