

## **Home assignment questions**

**HA-Home assignment.**

**CA-Class assignment.**

**CN-Class note.**

**DB-Database.**

**OP-Operators.**

**IF-Input function.**

**LP-Loops.**

**MS-Module.**

**M-Mode.**

1. Print all the Even number b/w 50 and 90.(14-07 HA).
2. Print multiples of 3 b/w 20 and 50.(14-07 HA).
3. Print odd number b/w 40 and 70 in reverse order.(14-07HA).
4. Take two int numbers(a&b) and print which is greater of those two numbers.(in ternary operator or if and else loop)(20-7 HA).
5. Write a program taking 5subject marks and calculate sum, avg of the marks and give grade for avg as a) avg more than 80 print grade as A b)avg more than 60 print grade as B c)avg more than 40 print grade as C d)avg less than 40 print grade as F.(Using if, elif and else loop).(23-07 HA).
6. Write a program taking a number as input check whether prime or not(24-07 HA).
7. Take a number 1234 and print the number in reverse order(i.e4321)(24-07 HA).
8. Write a code taking 5marks print name and avg of the marks(using function operation)(03-08 HA).
9. Take l&b and print area of rectangle and perimeter of rectangle(using function operation)(03-08 HA).
- 10.Take two integers(a&b) and print which greater of those two numbers(using both function operation and if loop)(03-08 HA).

11. Define a function taking id, name, marks for all their subjects and mobile no.(check whether it is working or not using function operator and even check user and builtin function both can be used at a time in statement and note down error for the code.)(06-08 HA).
12. Print factorial of a number(using return and function operations)(08-08 HA)(10-08 CA).
13. Take 3 inputs(a,b,c) and print max of three(using function operation and loop) and return min of three(using return function)(08-08 HA).
14. Take input a,b,c and get output as a) all 3 are even and print sum of them b)all three are odd and print twice the sum c)1 even and 2 are odd and print difference of sum of odd and even d)1 odd and 2 are even and print sum of difference of even and odd.(using function)(10-08 CA)(08-08 HA).
15. Input as n and get first n natural numbers.(09-08 HA)
16. Write a program to check no of lines, words and characters in the existing file.(using read mode function and input should be given by ourselves)(18-08 CA).

### **class assignment questions**

1. Find id and type of data types are as follows **int, float, complex, bool and none** are inbuilt data type and sequence data type are as follows **str, list, tuple, bytes, bytearray, range, set, frozenset and dict**.(10-07 CN)(DB).
2. Take any data type and change the datatype(i.e for exam if u take **int** as input change that to **float (or) complex or str etc**)(11-07 CN)(DB)
3. Try doing one code on arithmetic operator using these conditions(+, -, \*, /, %, //, \*\*)(op)
4. Try doing code on relation operator using these conditions(<, >, <=, >=, ==, !=).(op)
5. Try doing code on assignment operator using these conditions(+=, -=, \*=, /=, %=, //=, \*\*=)(op)

6. Try doing code on logical operators using these conditions(and, or and not) **Note:** In Numbers Zero value is False and non-zero value is true and in string empty string ( ' ') is false and non-empty string('name') is true.
7. Try doing code on bitwise operator using these conditions(&, |, ^, ~, >>, <<, &=, |=, ^=, ~=, >>=, <<=)(op)
8. Try doing code on ternary operators using the below example.  
**Example:** code: marks=75  
print('student is good', if marks>80 else 'student is avg')(op).
9. Try doing code on the identity operator using condition (is, isnot)(op).
10. Try doing code on the membership operator using condition (in, notin)(op).
11. Try doing the code on the input function by using the input by your own(i.e do on add or sub or multiplication etc)(IF).
12. Try doing code on selection or conditional statement using conditions(if, if-else and if-elif-else)(LP).
13. Try doing code on iteration or iterative statement using conditions (while, for)(LP).
14. Try doing code on transferring or transfer statements using conditions(break, continue, return)(LP).**Note:** Try doing using keywords like pass, del, None etc.
15. Try doing code on printing stras, numbers and alphabets in different ways.
16. Try doing code on function operation(def) using (builtin and user define)(FO).
17. Try using modules of random and os module( print dic(random/os)) which gives no of modules present in it, we use these modules for random(random(), randint(m,n), uniform(m,n), randrange(m,n,r), choice()) these are random function module(MS).
18. Try doing code on text/character field, which is used open anytype of file(r-read mode, w-write mode, a-appending mode, r+- reading and writing the file, w+-writing and reading the file and a+- appending and reading the file , x- it will create file)(M).
19. To read the file name using read mode using dong input method(M).

