**G. H. RAISONI COLLEGE OF ENGG., NAGPUR**

**(An Autonomous Institute)**

**Department of Computer Science & Engg.**



**Date: 03-08-2021**

**Practical Subject: Skill Development-2 [BCSP318]**

**Session: 2021-22**

**Student Details:**

| **Roll Number** | 44 |
| --- | --- |
| **Name** | Anand Suralkar |
| **Semester** | 9th |
| **Section** | A |
| **Batch** | CSE |

**Practical Details: Practical Number-**

| Practical Aim | Apply for Input Output functions and operators in Python |
| --- | --- |
| Theory & Syntax | **Output function : syntax : print()**  **This output function, used to generate an output at the console.**    **value**  **This is a single object value passed to the print() function, which will be printed.**    **...**  **The three dots ... signifies that we can even pass multiple objects(separated by commas) to the print() function.**    **sep**  **This is a separator used to separate the objects passed to the print() function. Default value of sep is ' ' i.e. a space.**    **end**  **The value of end parameteris printed at the last i.e. after all the objects passed to print() function, are printed. Default value of end is '\n' i.e. a newline character.**    **file**  **If the value of file is specified then the print() function can be used to print the objects in the file, otherwise, by default sys.stdout prints the objects on the console.**    **flush**  **The flush can only be given a bool value. By default, the value of flush is False, if True the output stream is flushed.**    **Input function : syntax : input()**  **1) This input function is used to read a line of input entered by the user at the console and returns it as a string.**    **Python Operators**  **Operators are used to perform operations on variables and values.**    **Arithmetic operators**  **Assignment operators**  **Comparison operators**  **Logical operators**  **Identity operators**  **Membership operators**  **Bitwise operators**  **Python Arithmetic Operators**    **Arithmetic operators are used with numeric values to perform common mathematical operations:**  **Operator NameExample Try it**  **+Addition x + y**  **-Subtraction x - y**  **\*Multiplication x \* y**  **/Division x / y**  **%Modulus x % y**  **\*\*Exponentiation x \*\* y**  **//Floor division x // y**    **Python assignment operator “ = “**  **is used to assign a value to the variable**    **Python Comparison Operators**  **Comparison operators are used to compare two values:**  **Operator**  **Example**  **== Equal x == y**  **!= Not equal x != y**  **> Greater than x > y**  **< Less than x < y**  **>= Greater than or equal to x >= y**  **<= Less than or equal to x <= y** |
| Program | print ("enter 2 numbers In A and B")  a=int(input("A = "))  b=int(input("B = "))  print("The sum of A and B ie ",a," + ",b," = ",a+b)  print("The difference of A and B ie ",a," - ",b," = ",a-b)  print("The product of A and B ie ",a," \* ",b," = ",a\*b)  print("The divison of A and B ie ",a," / ",b," = ",a/b," , Quotient is ",a//b," and remainder is ",a%b) |
| Output |  |
| Conclusion | Learned the concept of Input /Output functions and Operators in Python. |