Aditya Patil 19CE1107 B/B1

* Aim write a Python program to swap two numbers and check if the first number is positive or negative or zero. * Theory Python is an interpreted, high-level and general purpose programming language python syntax are simple and easy to The print() function prints the energied message to the screen. The message can be string or any other object Example print ("Helloo") output will be Hello. input() function is used to take inputs from the user. There are various data types in python int, float and complex are data types for rumbers type () function is used to know which class a variable or value belongs to bit it some of the other data types are list, tuple, string, range, boolean values. In python we do not need to specify the variables type.

	+, -, *, /, / are with metic operator. Python also has floor division (1) operator.	
	==, >= <=, >, <,!= are comparison operators	1
	and, or, not are logical operator in	1
	· if - else conditional statement Syntax:	
	if < conditional expression >: statements else: statements	
	· if - elif Conditional statement syntax	
	if < conditional expression >: elif < conditional expression >: else: else:	
	In python andread instead of curly braces white space is used.	1-1-1-1-1
-		

* Conclusion He leavant We learnt about different data types in python, taking inputs from user, declaring variables in python. We also learnt different operators and using comparison operators. Implementing if elif conditional statement.

Program:

```
, tellibibà 🖾 🖟 exhsibà 🖾 🖰 exhsibà
1 # -*- coding: utf-8 -*-
 2 """
 3 Created on Mon Mar 15 15:05:42 2021
 5 @author: sai
 6 """
 8 a = int(input("enter first number "))
 9 b = int(input("enter second number "))
10 print("before swapping ")
11 print("a = ",a)
12 print("b = ",b)
13 temp=a
14 a=b
15 b=temp
16 print("after swapping")
17 print("a = ",a)
18 print("b = ",b)
19 if a > 0:
      print("first number is positive")
21 elif a<0:
      print("first number is negative")
23 else:
      print("zero")
24
```

Output:

```
Console 1/A Consol
```