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|  | **Programming for Problem Solving(19BT10501)** |
|  | Diagramatic representation of algorithm is called \_\_\_\_\_\_  ***Ans:Flow Chart*** |
|  | The Process of dividing a big problem into smaller and managle parts is called\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | \_\_\_\_\_\_\_\_\_\_ block is used to read input values |
|  | \_\_\_\_\_\_\_\_\_\_\_\_ function is used to read input values from keyboard  ***Ans:input()*** |
|  | \_\_\_\_\_\_\_\_\_\_\_ function is used to display the output  ***Ans: print()*** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ refers to the step by step process of solving a specific task. |
|  | What is the output of the following code print(10//4)  ***Ans:2*** |
|  | What is the output of the following program : i = 0 while i < 3:  print i  i++  print i+1  ***Ans:0,2,1,3,2,4*** |
|  | Identify the output of the following program: x=123 for i in x:   print(i)  ***Ans:1,2,3*** |
|  | Identify the invalid identifier. |
|  | By default, the input read using input() function is of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ data type.  Ans: **String** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_ function is used to convert string data type into float data type  **Ans: float()** |
|  | Which of the following is an invalid statement? |
|  | Operators with the same precedence are evaluated in which manner?  **Ans: Left to Right** |
|  | What is the output of this expression, 3\*1\*\*3?  **Ans: 3** |
|  | Identify the return type of input().split() statement  **Ans: list of strings** |
|  | What is the return type of id() function.  **Ans: int** |
|  | What is the output of the statement. Print("a"\*4) **ans: aaaa** |
|  | Which of the following is not a complex number? |
|  | Which of the following operators has its associativity from right to left? |
|  | What will be the value of X in the following Python expression? X = 2+9\*((3\*12)-8)/10  **Ans: 27.2** |
|  | What will be the value of the following Python expression? float(4+int(2.39)%2)  **Ans: 4.0** |
|  | What will be the output of the following Python expression? Print(bin(29))  **Ans: 0b11101** |
|  | What will be the output of the following Python expression if x=15 and y=12? Print(x&y)  **Ans:12** |
|  | Bitwise \_\_\_\_\_\_\_\_\_ gives 1 if either of the bits is 1 and 0 when both of the bits are 1.  **Ans: XOR** |
|  | Which of the following expressions can be used to multiply a given number ‘a’ by 4? |
|  | What is the two’s complement of -44?  **Ans: Binary: 11010100** |
|  | What will be the output of the following Python code? i=1 while False:  if i%2==0:  break  print(i)  i+=2  **Ans: No output** |
|  | Identify the output of the program given below. a=0 while a<10:  print("welcome")  pass  **Ans: It will print welcome infinitely** |
|  | In Python, a variable must be declared before it is assigned a value.  **Ans: False** |
|  | What is the output of the following program? for k in range(1,2):  print(k,end="") for k in range(4,6):  print(k,end="")  **Ans: 145** |
|  | What is the output if the following code snippet? a=4.5 b=15 print(a+b)  **Ans: 19.5** |
|  | What is the output of the following program? i=2 while True:  if i%3==0:  break  print(i,end="")  i+=2  **Ans: 24** |
|  | Which of the following is a valid for loop in Python? |
|  | What is the output of range(10,0,-2).  **Ans: 10,8,6,4,2** |
|  | When does the else statement written after loop executes? |
|  | What is the output of the following program. x = "svec" for i in range(1,len(x)):  print(i)  **Ans:1,2,3** |
|  | Identify the preconditional loop in python? |
|  | What is the result of the execution of the following code? for x in range (2):  for y in range (2):  print(x, y, sep=''")  **Ans: 00,01,10,11** |
|  | What is the output of the program.  x="abcdef"  i="a"  while i in x:  x = x[:-1]  print(i, end = " ")  **Ans: a** |
|  | What is the output of the following? x = 'abcd' for i in range(len(x)):  x[i].upper() print(x)  **Ans:abcd** |
|  | What is the output of the following? s = "welcome svec" for i in string.split():  print (i, end=", ")  ***Ans: welcome, svec,*** |
|  | Which two statements are used to implement iteration.  ***Ans: For ,while*** |
|  | Consider the loop control structure in programming. Which term describes a loop that continues repeating without a terminating (ending) condition? |
|  | What will be the output of the following Python code snippet? print('The sum of {0} and {1} is {2}'.format(2, 10, 12))  ***Ans: sum of 2 and 10 is 12*** |
|  | Which of the following is False regarding loops in Python? |
|  | Which of the following is True regarding loops in Python? |
|  | How many times will the loop run? i=2 while(i>0):  i=i-1  ***Ans: 2 times*** |
|  | Can we write if/else into one line in python?  ***Ans: Yes*** |
|  | What will be output of this expression: 'p' + 'q' if '12'.isdigit() else 'r' + 's'  ***Ans: pq*** |
|  | What does the following print? x = 10 / 4 y = 5 / 2.0 print(x+y)  ***Ans:5.0*** |
|  | In how many lines the following statement output will be displayed? Print( "how\nnow\tbrown/ncow?")  ***Ans: 2 lines*** |
|  | Identify the output of the program. ch='A' print(chr(1+ord(ch)))  ***Ans:B*** |
|  | Predict the output of the following program. x=3 if(x==0):  print("SVEC") elif(x==3):  print("COLLEGE") print("TIRUPATI")  ***Ans: COLLEGE***  ***TIRUPATI*** |
|  | What does the following code print to the console? If 0:  print("SVEC") else:  print("COLLEGE")  ***Ans: COLLEGE*** |
|  | What is the output of the following code print(bool(0), bool(3.14159), bool(-3), bool(1.0+1j))  ***Ans: False True True True*** |
|  | What is the output of the following code x,y=100,50 print(x and y)  ***Ans: 50*** |
|  | What is the output of the following print() function print(sep='--', 'SVEC', 28, 'TIRUPATI') |
|  | What is the output of the following print() function print('%d %d %.2f' % (11,'22',11.22)  ***Ans: %d format: a number is required, not str (An Error)*** |
|  | What is the output of print(abs(-45.300))  ***Ans: 45.3*** |
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