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M24D14/025

1. FALSE
2. TRUE
3. FASLE
4. TRUE
5. FALSE
6. TRUE
7. TRUE
8. FALSE
9. TRUE
10. TRUE

MULTIPLE CHOICES

1. Fee setting
2. F = 9/5\*C+32 (a)
3. Specification
4. 2spam
5. Variables
6. Expressions
7. Program
8. A general loop
9. Sticky note model
10. Input

NO.1

Discussion

* First and more most, the person has to deploy the project plan
* Then after he/she must have a processed plan for the project
* The person must develop the project that he/she has set up
* Then after developing the project, the project has to be implemented or put into practice so that its running smoothy
* The project should have a software design where the user can add in his or her work
* The software program developed must be flexible and interactive so as to interact with the users of it.

These are some of the six steps taken for a software development process cycle.

NO.2

(Print) (“this program illustrates a chaotic function”) # output statement

(X)= (float) ((input) (“enter a number between 0 and 1: “)) # input and assignment statement

(For) (I) (in) (range) ([10]): # loop statement

(X)= [3.9 \* (x)\* (1-(x))] #

Assignment statement

(Print)(x) # output statement

NO. 3

Definite loop; is a loop that repeats a known number of times.

For loop; is a type of loop available in many programming languages including python.

Counted loop; is a specific type of definite loop that iterates a set number of times, counting each iteration.

Relationship for all the three, a for loop is a programming construct that’s often used to create a definite loop.

A counted loop is a form of definite loop that specifically counts its iterations.

Therefore, a for loop is often used to implement a counted loop, making all three terms connected closely in practice.

NO.4

1. This loop will iterate with I values from 0 to 4, for each i, it will print I\*I and the output;

0

1

4

9

16

1. This loop iterates through each element in the list [3,1,4,1,5]. Each element is printed on the same line, separated by space (because of end=” “).

Output

3 1 4 1 5

1. This loop iterates 4times (from I = 0 to I = 3). It prints “Hello” each time

Output

Hello

Hello

Hello

Hello

1. This loop iterates with I values from 0 to 4. It prints I and 2\*\*i(2 raised to the power of i) on each line.

Output

0 1

1 2

2 4

3 8

4 16

NO. 5

This is because the pseudocode allows developers to sketch out their code without getting bogged down in the syntax and structure of any one specific language.

NO.6

The keyword parameter sep stands for separator. The sep parameter allows you to specify a custom separator between items.

For example, if I type a code in python such as print (“hello”, “world”, sep=”- “). This code will output hello-world

Here, sep=”- “changes the separator between “hello” and “world” from a space to a hyphen.

NO.7

>>> print("start")

start

>>> for I in range (0):

... print("hello")

File "<stdin>", line 2

print("hello")

^

Indentation Error: expected an indented block

>>> print("end")

end

>>>

Range (0) creates an empty range, meaning the for loop will have no iterations. Thus, the line (“hello”) inside the loop will not execute at all.

Output;

The program will simply print “start” and “end” on separate lines with nothing in between, as the loop body is skipped entirely.

PROGRAMMING EXECISES

NO.1