**S1.3 What is the difference between a compiler and an interpreter?**

**S1.6 Where is 123 stored when the following statement (x = 123) is executed by the Python interpreter?**

All the variables and their respective values are stored in the main memory of the computer. The Main Memory is used to store information that the CPU needs in a hurry. The main memory is nearly as fast as the CPU. But the information stored in the main memory vanishes when the computer is turned off.

**S2.5 Write a program which prompts the user for a Celsius temperature and converts the temperature to Fahrenheit and prints out the converted temperature.**

**S3.3 Write a program to prompt for a score between 0.0 and 1.0. If the score is out of range print an error message.  Otherwise, print a grade using the following table:**

**>= 0.9 A**

**>= 0.8 B**

**>= 0.7 C**

**>= 0.6 D**

**< 0.6 F**

**S4.7 Rewrite the grade program above using a function called computegrade() that takes a score as its parameter and returns a grade as a string.**

**S5.1-2 Write a program which repeatedly reads numbers until the user enters ‘done’. Once ‘done’ is entered, print out the total, count, average, min, and max of the numbers.** **If the user enters anything but a number, use try-except to detect the mistake, print an error message, and skip to the next number.**

**S6.5 Take the following Python code that stores a string**

str = ‘X-DSPAM-Confidence: 0.8475’

**and extract the portion of the string after the colon character. Then use float() to convert the extracted string into a floating point number.**