**The following code calls a function “poly3” for which the code is also given.**

>> myx=-2;

>> new=poly3(myx);

function y = poly3(x)

% POLY3 Evaluates a cubic polynomial

% Y=POLY3(X) Evaluates the cubic polynomial

% y = a+b\*x+c\*x^2+d\*x^3 using Horner’s

% method, where a=1, b=-1, c=2, d=1

%

a0 = 1;

a1 = -1;

a2 = 2;

a3 = 1;

y = a0 + x\*(a1 + x\*(a2+x\*a3));

end

**1. Identify the following elements of the code:**

* **Function name:**
* **Input argument(s):**

**- Output argument(s):**

**2. The comment lines are a special kind of comment line. What is special about them?**

**3. After running the code what variables are in the main workspace and what are the values of these variables?**

**Variable Value**

**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**