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Course code: ITI1121

Lab section: Z-01

Question 1

A)

infix

100-(6-2)\*5

postfix

100 6 2 - 5 \* -

B)

Before X : 2 5

After X : 10

Before / : 10 9 6 3

After / : 10 9 2

Before - : 10 9 2

After - : 10 7

Before + : 10 7

After + :

result = 17

Question 3

A){Alpha,{Bravo,null}}

B)

The memory diagram will have the following things.

1- pair p1,p2 (This declares local variables p1 and p2 of type Pair)

2- p1 further refers to the dynamically allocated object of the class Pair

3- the value of "first" is being set to "Alpha" for the dynamically created object p1

4- p2 refers to the dynamically allocated object of the class Pair

5- the value of "first" is being set to "Bravo" for the dynamically created object p2

6- the value of "second" is being set to p2, for p1

7- the value of "second" is being set to "null" for p2