1a)

Diagram

Description automatically generated1b)

With dynamic binding, we can only determine, at run-time, which of

FullTimeStudent.whoAmI( ) and PartTimeStudent.whoAmI( ) will be called.

1c)

“FT”, the method whoAmI( )of  FullTimeStudent

“PT”, the method whoAmI( )of  PartTimeStudent

String other than “FT” or “PT”, null pointer exception

No input, array index out of bound exception

2a)

Diagram

Description automatically generated

2b)

1-2-6: a = 2, b = 0, x = 0

1-3-4-6: a = 2, b = 1, x = 2

2c)

1-2-6: a = 2, b = 0, x = 0

1-3-4-6: a = 2, b = 1, x = 2

1-3-5-6: a = 1, b = 0, x =0

2d)

No

3a)

Diagram

Description automatically generated

3b)

A picture containing text, linedrawing, clipart

Description automatically generated

3c)

S1-D1-S4

S1-D1-D2-S2-D1-S4

S1-D1-D2-S3-D1-S4

3d)

S1-D1-D2-S3-D1-S4

Decision D1 (True): a != 25

Decision D2 : a >25

(-infinity, 24] / (-infinity, 25)

Input: 24 output: 24

4a)

Diagram, schematic

Description automatically generated

4b)

[0,anArray.length) / [0,anArray.length-1]

(-infinity, 0) [anArray.length,+infinity)

4c)

if listrow = 1, lastrow = 5 output = bat last row  
result = null