You can find multiple choice review questions in D2L under: Assessments->Quizzes

For all questions, unless otherwise specified assume that there are no syntax errors in any programs or program fragments.

Short answer 1 (code writing):

Short answer 2 (code writing):

```
The part that's different from SA1 to this one SA2 is bolded.
MIN ID = 111111
MAX ID = 999999
EXIT CODE = -1
identificationNumber = 0
while (((identificationNumber < MIN ID) or \</pre>
       (identificationNumber > MAX ID)) and \
       (identificationNumber != EXIT CODE)):
    identificationNumber = int(input("ID number (%d-%d): "
      %(MIN ID,MAX ID)))
    if (identificationNumber != EXIT CODE):
        if (identificationNumber < MIN ID):</pre>
            print("ID of %d is too low" %(identificationNumber))
        elif (identificationNumber > MAX_ID):
            print("ID of %d is too high" %(identificationNumber))
print("ID #%d" %(identificationNumber))
```

JT: a flag could potentially be used in the Boolean expression of the loop as one alternative solution. A flag could have also been used in the previous question as well but it's mentioned here because the Boolean expression is a bit more complex for this question than with the previous.

Short answer 3 (code trace):

- 1 5
- 1 4
- 1 3
- 1 2
- 2 5
- 2 4
- 2 3
- 2 2
- 3 5
- 3 4
- 3 3
- 3 2

JT: as described in class each time that the outer loop executes, the inner loop executes from start to finish.

Short answer 4 (code trace):

- 0 1
- 0 2
- 0 3
- 0 4
- 1 1
- 1 2
- 1 3
- 1 4
- 2 1
- 2 2
- 2 3
- 2 4

Short answer 5 (code trace, code analysis):

This program calculates an exponent: x is raised to the 'yth' power with the result stored in 'j'