

Please do only the HW for your class.

CSC 332 Fall 2017 9:15 AM class HW2 (Race conditions) Due: Thurs Oct 5.
Q1.

Consider the following code.

```
        i=40;

        cobegin

S11:   while (i > 1)          S21:   while (i > 5)
S12:       i = i - 1;        S22:       i = i - 1;

        coend;

        print(i);
```

What are all the possibilities regarding the output from this program?
Give a scenario for each such possibility.

Q2.

Consider the following code.

```
        i=5;

        cobegin

S11:   while i > -1 do        S21:   while i < 1 do
S12:       i = i - 1;        S22:       i = i+1;

        coend;

        print(i);
```

What are all the possibilities regarding the output from this program?
Give a scenario for each such possibility.

Q1.

Consider the following code.

```
i=1;

cobegin

S11:  while (i < 4)      S21:  while (i < 4) do
S12:      i = i+1;      S22:      i = i+1;

coend;

print(i);
```

What are all the possibilities regarding the output produced on running this program?
Give a scenario for each such possibility.

Q2.

Consider the following code.

```
i=5;

cobegin
S11:  while (i > 0)      S21:  while (i < 1) do
S12:      i = i - 1;      S22:      i = i+1;

coend;

print(i);
```

What are all the possibilities regarding the output from this program?
Give a scenario for each such possibility.