

Lab 6 Worksheet

What is the output (10 points)

Names and netIDs of the group members:

Trace the output of the following programs. Make sure you are working on paper, **not** on the computer.

```
x = 0

while x < 10:
    print (x)
    x = x + 2
```

```
x = 0

while x < 10:
    x = x + 2
    print (x)
```

```
i = 0;

while (i < 3):
    print("hi")
    i = i + 1
```

```
x = 3
i = 0
while i < 3 :
    x = x + 1
    i = i + 1
    print(i, x)
```

```
x = 3
i = 0
while i < 3 :
    x = x + 1
    i = i + 1
    print(i, x)
```

```
x = 3
i = 0
while i < 3 :
    x = x + i
    i = i + 1
print(i, x)
```

```
x = 200
i = 0
while x < 500 :
    print (x)
    i = i + 1
    x = x + i*20
```

```
x = 200
i = 0
while x < 500 :
    i = i + 1
    x = x + i*20
    print (x)
```

```
x = 0
y = 10

while x < y:
    print (x, y)
    x = x + 1
    y = y - 1
```

This is a tricky one:

```
MAX_TERM = 100
sum = 0
count = 1
while count <= MAX_TERM:
    sum = sum + count;
print( sum )
```