CSCE 102-General Applications Programing
Sections 10,11,12 Spring 2020
Due Sunday April 12th, 2020

Directions. This assignment is to be completed individually. There are two pages.

I have posted 4 videos:
Mythbusters video on GPU vs CPU computing power!
TedTalk-The Hidden Network that makes the internet possible
TedTalk-How Computer memory works
TedTalk-Neuroscience, AI and the Future of Education
Pick two of the three TedTalks. Answer the following questions using complete sentences.

## Choice 1.

Name of the Talk:
What technological advancement is the focus of this talk?

What disadvantages can be associated with this technology?

## Choice 2.

Name of the Talk:
What technological advancement is the focus of this talk?

What disadvantages can be associated with this technology?

## FOR LOOPS. Answers the questions for each loop:

## Loop 1.

```
for (step=0; step < 5; step=step+1) {
    message = step + " points ";
}
```

1.What is the starting value of the for loop? $\qquad$
2 ; What is the step size to increment the loop? $\qquad$

## 3. When the loop exits,

a. what is the last value of step? $\qquad$

Loop 1 Simulation

| step | message | step+1 |
| :---: | :---: | :---: |
| 0 | 0 points | $0+1=1$ |
| 1 | 1 points | $1+1=2$ |
| 2 | 2 points | $2+1=3$ |
| 3 | 3 points | $3+1=4$ |
| 4 | 4 points | $4+1=5$ |
| 5 | No message!! | exit |

Loop 2 Simulation: Complete the table.

| step | message | step+1 |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Loop 3 Simulation: Complete the table

| step | message | Step-10 |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

b. what is the last value of message? $\qquad$

