

Q9

CS 1713 Intro to Programming II

Suppose the below program is executed as follows.

```
myprog abc xyz klm
```

First conceptually draw how operating system represents the command line parameters in the memory and what values it passes to the below program. Then run the program and determine the output?

```
/* myprog.c */

#include <stdio.h>

main(int argc, char *argv[])
{
    int i=argc;
    while(--i > 0 ){
        printf("A: %s \n", argv[i]);
    }
    while(--argc > 0 ){
        printf("P: %s \n", *argv++);
    }
}
```

Output:

```
argc  
argv  
i
```