

```
main(args)
```

```
// main program flow, pseudo code
```

```
while(input != NULL)
```

```
    tokens = parseInput(input)
```

```
    respondToTokens(tokens) |----->
```

```
        respondToTokens(tokens)
```

```
            // routes commands to the appropriate job handlers
```

```
            if (isBuiltInJob) runBuiltInJob(tokens)
```

```
            else runJob(tokens) |----->
```

```
                runJob(tokens)
```

```
                pid = fork()
```

```
                if (pid = 0) exec(tokens)
```

```
                else
```

```
                    if (isBGPJob) wait(pid)
```

```
        free(loop_memory)
```

```
        free(program_memory)
```

```
        exit(0)
```