Lab - 3A

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i) and ii) Output

```
0: ?
? - show this help menu
exit - exit the command shell
id - shows the user id, arguments
        -u
                print only the effective user ID
        -g
                print only the effective group ID
        -G
                print all group IDs
1: id
 id
uid=1000(pushkar) gid=1000(pushkar) groups=1000(pushkar),4(adm),20(dialout),24(cdrom),25(floppy),27(sudo),29(a
udio),30(dip),44(video),46(plugdev),117(netdev),120(libvirt),1001(docker)
2: id -u
 id -u
1000
3: id -G
 id -G
1000 4 20 24 25 27 29 30 44 46 117 120 1001
4: id -g
 id -g
1000
5:
```

Code-

```c
int cmd_id(unused struct tokens *tokens)
{
  int length=tokens_get_length(tokens);

  char command[4096]="";
  //int size=0;
  for(int i=0; i<length; i++)
  {
    char *flags=tokens_get_token(tokens,i);
    strcat(command," ");
    strcat(command,flags);
  }
  printf("%s\n",command);
  system(command);
  return 1;

}
```

```
fun_desc_t cmd_table[] = {
  {cmd_help, "?", "show this help menu"},
  {cmd_exit, "exit", "exit the command shell"},
  {cmd_id, "id", "shows the user id, arguments \n\t -u \n\t\tprint only
the effective user ID \n\t -g \n\t\tprint only the effective group ID
\n\t -G \n\t\tprint all group IDs"}
};
```