

Question 2:

```
nada@nadakazamel:~/ITI/Embedded Linux/Tasks/Day2$ ls
binary_search  binary_search.c  Day2_questions.pdf
nada@nadakazamel:~/ITI/Embedded Linux/Tasks/Day2$ ./binary_search
Element found at index 5
nada@nadakazamel:~/ITI/Embedded Linux/Tasks/Day2$ sudo mv binary_search /usr/local/bin
nada@nadakazamel:~/ITI/Embedded Linux/Tasks/Day2$ binary_search
Element found at index 5
nada@nadakazamel:~/ITI/Embedded Linux/Tasks/Day2$ cd /usr/local/bin
nada@nadakazamel:/usr/local/bin$ ls
binary_search
nada@nadakazamel:/usr/local/bin$
```

Path: The system's `PATH` environment variable usually contains the `/usr/local/bin` directory, so you can run files in that directory without having to specify the entire path.