### Exercício 2.

#### Criando diretório ex-01

```
Terminal - matheus@xubuntu: ~/ex-01
File Edit View Terminal Tabs Help
matheus@xubuntu:~$ ls
matheus@xubuntu:~$ mkdir ex-01
matheus@xubuntu:~$ cd ex-01/
matheus@xubuntu:~/ex-01$ code test.c
Command 'code' not found, but can be installed with:
sudo snap install code
matheus@xubuntu:~/ex-01$ sudo snap install code
[sudo] password for matheus:
error: This revision of snap "code" was published using classic confinement and thus may perform
      arbitrary system changes outside of the security sandbox that snaps are usually confined to,
      which may put your system at risk.
      If you understand and want to proceed repeat the command including --classic.
matheus@xubuntu:~/ex-01$ sudo snap install code--classic
error: cannot install "code--classic": invalid instance name: invalid snap name: "code--classic"
matheus@xubuntu:~/ex-01$ sudo snap install code --classic
code 65edc493 from Visual Studio Code (vscode/) installed
matheus@xubuntu:~/ex-01$
```

<sup>\*</sup>necessária instalação do Visual Studio Code ("sudo snap install code --classic")

# Dentro do VS Code: (code test.c)

# Compilando (gcc)

#### .float\_vector.h

```
# float_vectorh - Visual Stud...  Ferminal - matheus@xubunt...

float_vectorh - Visual Studio Code

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typedef struct float_vector FloatVector;

float_vector *FloatVector create(int capacity);

void floatVector_destroy(FloatVector *vec);

int FloatVector_size(const FloatVector *vec);

float FloatVector_apacity(const FloatVector *vec);

float FloatVector_apacity(const FloatVector *vec, int index);

void FloatVector_append(FloatVector *vec, float val);

void FloatVector_set(FloatVector *vec, int index, float val);

void FloatVector_print(const FloatVector *vec);

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```

### .float\_vector.c

# Compilação tipo abstrato de dados