

Activities Text Editor

Mon 09:00

BasicCheck.sh ~/Desktop/cpp-codes/Ex0-Bash - Atom

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Project

- Ex0-Bash
 - git
 - BasicCheck.sh
 - Makefile

```
1 #!/bin/bash
2
3 DIRPATH=$1
4 PROG=$2
5
6 # After the check compilation passed successfully,
7 # check with valgrind if the program has memory
8 # leak with valgrind passed successfully.
9 # Checks with helgrind that our program does not
10 # have synchronisation errors.
11 helgrind-check(){
12     valgrind --error-exitcode=1 --tool=helgrind ./$PROG > sync-err.txt 2>61
13     grep -q "ERROR SUMMARY: 0 errors" sync-err.txt
14     if [ $? -eq 0 ]
15     then
16         rm sync-err.txt
17         echo "    Compilation    Memory leaks    thread race"
18         echo "    PASS                PASS                PASS"
19         exit 0
20     else
21         echo "    Compilation    Memory leaks    thread race"
22         echo "    PASS                PASS                FAIL"
23         rm sync-err.txt
24         exit 1
25     fi
26 }
27
28 # After the check compilation passed successfully,
```

namespace.cpp

```
#include <iostream>
using namespace abc;
int x = 123;
void printx() { std::cout << x << std::endl; }
namespace xyz {
    int w = 5;
};
namespace def{
    int x = 456;
    void printx() { std::cout << x << std::endl; }
};
// using namespace abc;
// using namespace def;
int main() {
    abc::printx();
    def::printx();
    // printx();
    //int* p = (int*)malloc(2*sizeof(int));
    std::cout << abc::xyz::w << std::endl;
}
```

C++ Tab Width: 8 Ln 23, Col 11

shaynaor@shaynaor-N552VX: ~/Desktop/cpp-codes/Ex0-Bash\$ bash ./BasicCheck.sh ~/ariel-cpp-5779/01-what-is-cpp/3-namespace a.out

```
Compilation    Memory leaks    thread race
PASS          PASS          PASS
```

shaynaor@shaynaor-N552VX: ~/Desktop/cpp-codes/Ex0-Bash\$

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Activities Text Editor

Mon 09:02

BasicCheck.sh ~/Desktop/cpp-codes/Ex0-Bash - Atom

File Edit View Selection Find Packages Help

Project

- Ex0-Bash
 - git
 - BasicCheck.sh
 - Makefile

```
1 #!/bin/bash
2
3 DIRPATH=$1
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6 # After the check compilation passed successfully,
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9 # Checks with helgrind that our program does not
10 # have synchronisation errors.
11 helgrind-check(){
12     valgrind --error-exitcode=1 --tool=helgrind ./$PROG > sync-err.txt 2>61
13     grep -q "ERROR SUMMARY: 0 errors" sync-err.txt
14     if [ $? -eq 0 ]
15     then
16         rm sync-err.txt
17         echo "    Compilation    Memory leaks    thread race"
18         echo "    PASS                PASS                PASS"
19         exit 0
20     else
21         echo "    Compilation    Memory leaks    thread race"
22         echo "    PASS                PASS                FAIL"
23         rm sync-err.txt
24         exit 1
25     fi
26 }
27
28 # After the check compilation passed successfully,
```

namespace.cpp

```
#include <iostream>
using namespace abc;
int x = 123;
void printx() { std::cout << x << std::endl; }
namespace xyz {
    int w = 5;
};
namespace def{
    int x = 456;
    void printx() { std::cout << x << std::endl; }
};
// using namespace abc;
// using namespace def;
int main() {
    abc::printx();
    def::printx();
    // printx();
    //n = 0;
    int* p = (int*)malloc(2*sizeof(int));
    std::cout << abc::xyz::w << std::endl;
}
```

C++ Tab Width: 8 Ln 24, Col 1

shaynaor@shaynaor-N552VX: ~/Desktop/cpp-codes/Ex0-Bash\$ bash ./BasicCheck.sh ~/ariel-cpp-5779/01-what-is-cpp/3-namespace a.out

```
Compilation    Memory leaks    thread race
PASS          PASS          PASS
```

shaynaor@shaynaor-N552VX: ~/Desktop/cpp-codes/Ex0-Bash\$ bash ./BasicCheck.sh ~/ariel-cpp-5779/01-what-is-cpp/3-namespace a.out

```
Compilation    Memory leaks    thread race
FAIL          FAIL          FAIL
```

shaynaor@shaynaor-N552VX: ~/Desktop/cpp-codes/Ex0-Bash\$ bash ./BasicCheck.sh ~/ariel-cpp-5779/01-what-is-cpp/3-namespace a.out

```
Compilation    Memory leaks    thread race
PASS          FAIL          PASS
```

shaynaor@shaynaor-N552VX: ~/Desktop/cpp-codes/Ex0-Bash\$

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Activities Text Editor Mon 09:01 BasicCheck.sh — ~/Desktop/cpp-codes/Ex0-Bash — Atom

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Project

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 - BasicCheck.sh
 - Makefile

```
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11 helgrind-check(){
12     valgrind --error-exitcode=1 --tool=helgrind ./$PROG > sync-err.txt 2>&1
13     grep -q "ERROR SUMMARY: 0 errors" sync-err.txt
14     if [ $? -eq 0 ]
15     then
16         rm sync-err.txt
17         echo "    Compilation    Memory leaks    thread race"
18         echo "    PASS                PASS                PASS"
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namespace.cpp

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namespace def{
    int x = 456;
    void printx() { std::cout << x << std::endl; }
};
// using namespace abc;
// using namespace def;
int main() {
    abc::printx();
    def::printx();
    // printx();
    n = 0;
    //int* p = (int*)malloc(2*sizeof(int));
    std::cout << abc::xyz::w << std::endl;
}
```

shaynaor@shaynaor-N55ZVX: ~/Desktop/cpp-codes/Ex0-Bash\$ bash ./BasicCheck.sh ~/ariel-cpp-5779/01-what-is-cpp/3-namespace a.out

Compilation	Memory leaks	thread race
PASS	PASS	PASS

shaynaor@shaynaor-N55ZVX: ~/Desktop/cpp-codes/Ex0-Bash\$ bash ./BasicCheck.sh ~/ariel-cpp-5779/01-what-is-cpp/3-namespace a.out

Compilation	Memory leaks	thread race
FAIL	FAIL	FAIL

shaynaor@shaynaor-N55ZVX: ~/Desktop/cpp-codes/Ex0-Bash\$

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