

std::async() and Launch Options Solutions

Launch Options

- Write down a statement which uses `std::async()` to execute a task function `func()`, in which
 - The task executes in a separate thread
 - The task executes in the same thread

Launch Policies

- Examine the effects of different launch policies in the following:

```
int func()
{
    return 42;
}
```

```
auto result = std::async(func);
std::cout << result.get() << '\n';
```

- Add suitable print statements to show
 - When the task function is called
 - Which thread it is called in
- Explain your results