



# Google Test Cheat Sheet

## Simple Test

```
TEST(UserTests, isAdult_AgeLessThan18_False)
{
    User paul(17);
    ASSERT_FALSE(paul.isAdult());
}
```

## Basic Assertions

```
ASSERT_TRUE(condition);
ASSERT_FALSE(condition);

ASSERT_EQ(expected, actual);           // Equal
ASSERT_NE(expected, actual);           // Not equal
ASSERT_LT(value1, value2);              // value1 < value2
ASSERT_LE(value1, value2);              // value1 <= value2
ASSERT_GT(value1, value2);              // value1 > value2
ASSERT_GE(value1, value2);              // value1 >= value2
ASSERT_STREQ(expected, actual);         // Strings equal
ASSERT_STRNE(expected, actual);         // Strings not equal
ASSERT_STRCASEEQ(expected, actual);     // Strings equal, ignoring case
ASSERT_STRCASENE(expected, actual);     // Strings not equal, ignoring case
```

## Exception Assertions

```
ASSERT_THROW(statement, exception_type);
ASSERT_ANY_THROW(statement);
ASSERT_NO_THROW(statement);

TEST(CarTests, crash_Normal_ShouldThrow)
{
    Car car;
    ASSERT_THROW(car.crash(), CrashException);
}
```

