For each question below, you can assume that `iostream` and `iomanip` are included. Remember that we are now using a C++ compiler, not a C compiler.

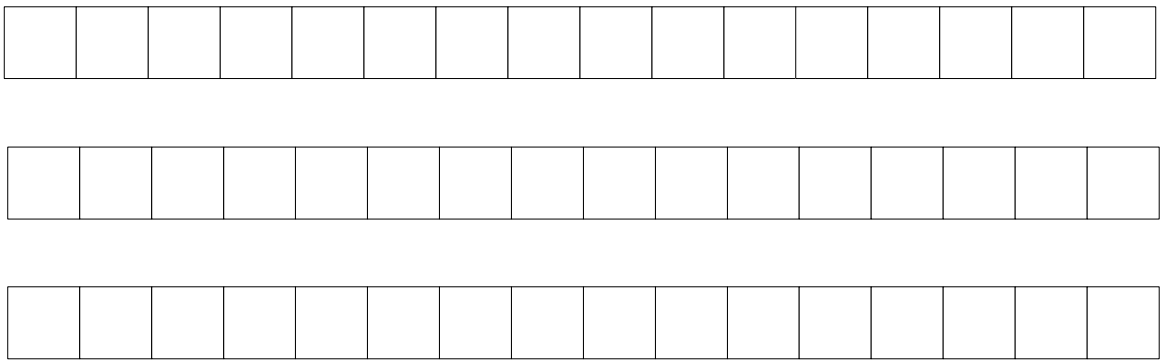
1. The code below prints out 3 lines on the screen. Use the empty boxes below to show the output. Write only one character per square. Be sure to pay attention to the text, the formatting, and the vertical bars.

```
int i = 42;
float f = 1.23456789F;

std::cout << "f is |" << f << "|" << std::endl;

std::cout.width(6);
std::cout.precision(4);
std::cout << "i is ";  // There is a space at the end.
std::cout << "|" << i << "|" << std::endl;

std::cout << std::setprecision(5)
          << std::setfill('*')
          << "f is |"
          << std::setw(8)
          << std::left
          << f
          << "|"
          << std::endl;
```



2. Given a namespace called `Digipen`, create an alias for it named `DP`.

3. Given the program below, write the output produced on the lines next to the cout statements. If the line has an error (meaning it doesn't compile), write ERROR on the line.

```
int foo = 1;

namespace ABC
{
  int foo = 11;
}

void fn1(void)
{
  std::cout << foo << std::endl;      a) _____________
  int foo = 10;
  if (foo == 10)
  {
    int foo = 100;
    std::cout << foo << std::endl;    b) _____________
  }
  std::cout << foo << std::endl;      c) _____________
}

namespace
{
  int foo = 20;
}

int main(void)
{
  fn1();
  std::cout << foo << std::endl;      d) _____________
  using namespace ABC;
  std::cout << ::foo << std::endl;    e) _____________
  return 0;
}
```