[1*] 1. The following is illegal. Why? How would you correct it?

```
int main()
{
   int i, j;
   int *ip;
   i = j = ip = 0;
   return 0;
}
```

- [1*] 2. Write a program to down from 10 to -5?
- [1*] 3. What does the following code do?

```
int i = 0;
while (i < 10) {
   i += 1;
   std::cout << i << '\n';
}</pre>
```

- [1*] 4. Write a program to generate the product of the numbers in the range of [1, 10).
- [3*] 5. What does the following example do?

Why would anyone write something like that? No, this is not recommended as good style.