

Pointer Exercise 1

Explain the following lines of code:

```
int n;
```

```
n = 10;
```

```
int* ptr;
```

```
ptr = &n;
```

```
cout << n << endl;
```

```
cout << *ptr << endl;
```

```
cout << &n << endl;
```

```
cout << &ptr << endl;
```

```
cout << ptr << endl;
```

```
cout << *ptr + 1 << endl;
```

```
n = 12;
```

```
cout << *ptr << endl;
```

```
*ptr = *ptr + 8;
```

```
cout << n << " " << *ptr << endl;
```

```
double d = 11.5;
```

```
double* ptr2 = &d;
```

```
*ptr2 += 8.5;
```

```
cout << d << endl;
```

```
cout << *ptr2 << endl;
```

```
*ptr2 = *ptr2 + *ptr2;
```

```
d = *ptr2 + 10;
```

```
char* ptr3;
```

```
char ch = 'A';
```

```
ptr3 = &ch;
```

```
cout << *ptr3 << endl;
```

Explain the problems with the following lines of code:

```
ptr = &d;
```

```
ptr2 = &n;
```