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First Name                     Last Name

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**1.** Find and fix the errors.

```
int    num = 10;
int    *p;

cout << &p << endl;
cout << &num << endl
     << num  << endl;
cout << "Enter a new integer: ";
cin  >> *p;
cout << *p << endl
     << num << endl;
*p--;
cout << *p;
```

**2.** Given the following declarations, explain why some of the following assignments are incorrect

```
int    x = 10;
char   y = 'A';
int    *ptr1;
char   *ptr2 = &y;
```

a. x     = y;

b. ptr1 = ptr2;

c. ptr1 = &x;

d. x     = &ptr1;

e. ptr2 = &x;

**3.** What is the output?

```
int main()
{
    char list[] =
        {'B', 'C', 'A', 'D'};
    char *ptrGrade;

    ptrGrade = getGrade(list);
    cout << *ptrGrade << endl;
    return 0;
}
/*************************/
char *getGrade( char list[])
{
    return &list[2];
}
```

**4.** Find the error.

```
char *getGrade( void )
{
    char grade;

    cout << "Enter grade: ";
    cin  >> grade;

    return &grade;
}
```