

Question 1: Identify the errors in the following code segment and give the reason of errors.

```
main() {
int x = 10
const int *ptr = &x ;
*ptr = 5 ;
}
```

Answer:

Int x=10...No ending semicolon. \*ptr=5... Declaring a pointer to constant integer. You cannot use this pointer to change the value being pointed to.

Question 2: Identify the errors in the following member operator function and also correct them.

```
math * operator(math m);
math * operator (math m)
{
math temp;
temp.number= number * number;
return number;
}
```

Answer:

The errors are in the arguments of the member operation function and also in the body of operator member function. Correct function should be

```
math *operator (math *m) {
math temp;
temp = m;
temp.number= number * number;
return temp.number;
}
```

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Question 3: If `int array[10];` is an integer array then write the statements which will store values at Fifth and Ninth location of this array,

Answer:

```
cout <<"Enter fifth postion ";
cin >> array[4];
cout <<"Enter Ninth postion ";
cin >> array[8];
```

Question 4: If is not available in the system then what does `calloc/malloc` and `new` operator return?

Answer:

`calloc/malloc` and `new` operator return returns a null pointer to indicate that no memory is available

Question 5: If the declaration is changed as: `int day[7] = {1, 2, 3, 4, 5, 6, 7};`  
How many elements does array 'day' has?

Answer: