the code).

Part (i)

```
void main()
{
        int* ptr1 = new int[5];
        int* ptr2 = ptr1;
        delete[] ptr1;

        for(int i=0; i< 5; i++)
        {
            ptr2[i] = i+1;
            cout<<ptr2[i]<<endl;
        }
}
```

Output/Error:

1
2
3
4
5

The pointer is dangling here which may cause an exception or may let us print the values.

Part (ii)

```
void main()
{
        int a = 99;
        int* ptr1 = 0;
        int* ptr2 = &a;

        int* temp = ptr1;
        ptr1 = ptr2;
        ptr2 = temp;

        *ptr2 = 77;

        cout<<*ptr1<<endl;
        cout<<*ptr2<<endl;
}
```

Output/Error:

99
77

```
}
}
void main()
{
        int* ptr1 = new int[5];
        for(int i=0; i< 5 ; i++){
                ptr1[i] = i+1;
        }

        int* ptr2 = new int[5];
        CopyArray(ptr2, ptr1, 5);
        for(int i=0; i< 5 ; i++){
                cout<<ptr2[i]<<endl;
        }
}
```

5

Error: The dynamic memory is not deallocated at the end of program due to which there is memory leakage. ~~End~~

~~might store~~

Part (v)

```
void GetWords(char** arr)
{
        char word1[] = "This ";
        char word2[] = "is ";
        char word3[] = "a ";
        char word4[] = "Sentence";

        arr[0] = word1;
        arr[1] = word2;
        arr[2] = word3;
        arr[3] = word4;
}
void main()
{
        char* sentence[4];
        GetWords(sentence);
        for(int i=0; i<4; i++)
                cout<< sentence[i];
        cout<<endl;
}
```

Output/Error:

Junk
Junk
Junk
Junk

The function is not called by reference due to which no change will occur here.

Prototype of function shall be as follows, as an array of strings is to be converted into equivalent RLE form for each string:

char RLE(char** strings, int numOfStrings);**

```
{
int dgn=2;
int count=0;
int j=0;
int length=strlen(strings);
for (int i=0; i<length; i++){
    if(strings[j]!=strings[i])
    {
    count++;
    strings[j]=strings[i]
    }
}
int count2=0;
for(int i=0; i<length; i++)
{
 if (strings[i]==string[i+1])
 {
 count2++;
 }
}
```