



بريملا

Question 9

~~explanation~~ ..

include < iostream >
using namespace std;

```
void Merge arrays ( int arr1[], int arr2[]  
                    int resul [], int size ) {
```

```
    int i = 0
```

```
    int j = size - 1
```

```
    int k = 0
```

```
    while ( i < size && j >= 0 ) {
```

```
        if ( arr1[i] > arr2[j] ) {
```

```
            resul[k] = arr1[i];
```

```
            i++;
```

```
        }
```

```
    else {
```

```
        resul[k] = arr2[j];
```

```
        j--;
```

```
    }
```

```
    k++;
```

```
}
```

```
while ( j >= 0 ) {
```

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```
result[k] += arr2[i];
```

```
    j--;
```

```
    k++;
```

```
}
```

```
}
```

```
void Print Array (int arr[], int size)
```

```
{
```

```
    for (int i = 0 ; i < size ; i++) {
```

```
        cout << arr[i] << " " ;
```

```
}
```

```
}
```

```
int main () {
```

```
    const int size = 5;
```

```
    int arr1 [size] = { 5, 6, 2, 1, 0 };
```

```
    int arr2 [size] = { 9, 7, 6, 4, 2 };
```

```
    int result [size * 2];
```

```
    Merge Arrays (arr1, arr2, size, result);
```

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```
cout << "Merged and reversed array. ";  
print-array ( result , size + 2 );
```

```
return 0;
```

```
}
```

```
result = 5 3 2 9 6 7 9 2 1 0
```

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