

```
/* function to implement quick sort */
```

```
void quick(int a[], int start, int end) /* a[] = array to be sorted, start = Starting index, end = Ending index */
```

```
{  
    if (start < end)  
    {  
        int p = partition(a, start, end); //p is the partitioning index  
        quick(a, start, p - 1);  
        quick(a, p + 1, end);  
    }  
}
```

```
void merge(int arr[], int l, int m, int r)
```

```
{  
    int i, j, k;  
    int n1 = m - l + 1;  
    int n2 = r - m;
```

```
/* create temp arrays */
```

```
int L[n1], R[n2];
```

```
/* Copy data to temp arrays L[] and R[] */
```

```
for (i = 0; i < n1; i++)  
    L[i] = arr[l + i];  
for (j = 0; j < n2; j++)  
    R[j] = arr[m + 1 + j];
```

```
/* Merge the temp arrays back into arr[l..r]*/
```

```
i = 0; // Initial index of first subarray
```

```
j = 0; // Initial index of second subarray
```

Plagiarism Scan Report



Characters:6962

Words:996

Sentences:66

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8 Min

Excluded URL

None

Content Checked for Plagiarism

Blockchain technology is a distributed ledger with data entries that are disseminated among network nodes and contain all the specifics of completed transactions. Consensus procedures certify each transaction done in the system, and the data that is saved cannot be changed. The key technology underlying the widely used cryptocurrency, Bitcoin is called

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