

```
#include <stdio.h>
```

```
void Sort (int a[], int n)
```

```
{
```

```
    int i, j, temp;
```

```
    for (i=0; i<n; i++)
```

```
    {
```

```
        for (j=i+1; j<n; j++)
```

```
        {
```

```
            if (a[i] < a[j])
```

```
            {
```

```
                temp = a[i];
```

```
                a[i] = a[j];
```

```
                a[j] = temp;
```

```
            }
```

```
        }
```

```
    }
```

```
}
```

```
int binary (int a[], int e, int n)
```

```
{
```

```
    int i=0, j=n-1, mid;
```

```
    while (i <= j)
```

```
    {
```

```
        mid = (i+j)/2;
```

```
        if (a[mid] == e)
```

```
            return mid+1;
```

```
        else
```

```
        {
```

```
            if (e < a[mid])
```