

1.

Output:

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

```
int main() {  
    int num1, num2, num3, num4, num5, temp;  
  
    printf("Please enter 5 integers:\n");  
    scanf("%d %d %d %d %d", &num1, &num2, &num3, &num4, &num5);  
  
    while (!(num1 <= num2 && num2 <= num3 && num3 <= num4 && num4 <= num5)) {  
        if (num1 > num2) {  
            temp = num1;  
            num1 = num2;  
            num2 = temp;  
        }  
        if (num2 > num3) {  
            temp = num2;  
            num2 = num3;  
            num3 = temp;  
        }  
        if (num3 > num4) {  
            temp = num3;  
            num3 = num4;  
            num4 = temp;  
        }  
        if (num4 > num5) {  
            temp = num4;  
            num4 = num5;  
            num5 = temp;  
        }  
    }  
  
    printf("Sorted numbers: %d %d %d %d %d\n", num1, num2, num3, num4, num5);  
  
    return 0;  
}
```

Output:

Output

Please enter 5 integers:

-2 5 10 10 9

Sorted numbers: -2 5 9 10 10

2.

Output:

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

```
int main() {
```

```
    int num1 = 0, num2 = 0, num3 = 0, num4 = 0, num5 = 0, num6 = 0, num7 = 0, num8 = 0, num9 = 0, num10 = 0, num11 = 0, num12 = 0, num13 = 0, num14 = 0, num15 = 0, num16 = 0, num17 = 0, num18 = 0, num19 = 0, num20 = 0, input = 1, counter = 1;
```

```
    printf("Enter integers (0 to stop):\n");
```

```
    while (input != 0) {
        scanf("%d", &input);
```

```
        if (input != 0) {
```

```
            if (counter == 1) num1 = input;
            else if (counter == 2) num2 = input;
            else if (counter == 3) num3 = input;
            else if (counter == 4) num4 = input;
            else if (counter == 5) num5 = input;
            else if (counter == 6) num6 = input;
            else if (counter == 7) num7 = input;
            else if (counter == 8) num8 = input;
            else if (counter == 9) num9 = input;
            else if (counter == 10) num10 = input;
            else if (counter == 11) num11 = input;
            else if (counter == 12) num12 = input;
            else if (counter == 13) num13 = input;
            else if (counter == 14) num14 = input;
            else if (counter == 15) num15 = input;
            else if (counter == 16) num16 = input;
            else if (counter == 17) num17 = input;
            else if (counter == 18) num18 = input;
            else if (counter == 19) num19 = input;
            else if (counter == 20) num20 = input;
```

```
            counter++;
```

```
        }
```

```
    }
```

```
    printf("Odd numbers inputted are: ");
```

```
    if (num1 % 2 != 0) printf("%d ", num1);
```

```
    if (num2 % 2 != 0) printf("%d ", num2);
```

```
    if (num3 % 2 != 0) printf("%d ", num3);
```

```
    if (num4 % 2 != 0) printf("%d ", num4);
```

```
    if (num5 % 2 != 0) printf("%d ", num5);
```

```
    if (num6 % 2 != 0) printf("%d ", num6);
```

```
    if (num7 % 2 != 0) printf("%d ", num7);
```

```
    if (num8 % 2 != 0) printf("%d ", num8);
```

```
    if (num9 % 2 != 0) printf("%d ", num9);
```

```
    if (num10 % 2 != 0) printf("%d ", num10);
```

```
if (num11 % 2 != 0) printf("%d ", num11);  
if (num12 % 2 != 0) printf("%d ", num12);  
if (num13 % 2 != 0) printf("%d ", num13);  
if (num14 % 2 != 0) printf("%d ", num14);  
if (num15 % 2 != 0) printf("%d ", num15);  
if (num16 % 2 != 0) printf("%d ", num16);  
if (num17 % 2 != 0) printf("%d ", num17);  
if (num18 % 2 != 0) printf("%d ", num18);  
if (num19 % 2 != 0) printf("%d ", num19);  
if (num20 % 2 != 0) printf("%d ", num20);  
  
printf("\n");  
return 0;  
}
```

Output:

```
Enter integers (0 to stop):  
1  
5  
2  
6  
10  
17  
18  
100  
29  
0  
Odd numbers inputted are: 1 5 17 29
```