

1. Get three values x, y, z and write a program to print 1 if x is the middle value, 2 if y is the middle value and 3 if z is the middle value. Assume that all three variables (x, y, z) are distinct and have different values.

```
#include <stdio.h>

int main() {

    // Input three distinct values

    int x, y, z;

    printf("Enter the value for x: ");

    scanf("%d", &x);

    printf("Enter the value for y: ");

    scanf("%d", &y);

    printf("Enter the value for z: ");

    scanf("%d", &z);


    // Determine the middle value

    if ((y < x && x < z) || (z < x && x < y)) {

        printf("1\n"); // x is the middle value

    } else if ((x < y && y < z) || (z < y && y < x)) {

        printf("2\n"); // y is the middle value

    } else {

        printf("3\n"); // z is the middle value

    }

    return 0;

}
```

Output:

Enter the value for x: 2

Enter the value for y: 3

Enter the value for z: 4

2

1

dash: 2: 1: not found