



145 lines (91 loc) · 2.14 KB

Preview

Code

Blame



### 33. WAP. to SWAP (interchange) three numbers.

i) using four variable



ii) without using four variable.

iii) swap within a single line.

Test Data:

Enter 3 number : 5 10 15



Expected Output:

changed number = 15 5 10



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



```
int main(){
```

```
    int a, b, c, temp;
```

```
    printf("Enter 3 number a, b and c: ");
```

```
    scanf("%d %d %d", &a, &b, &c);
```

```
    // using four variable
```

```
    // temp = a;
```

```
    // a = b;
```

```
    // b = c;
```

```
    // c = temp;
```

```
    // Without using four variable.
```

```
    // a = a + b + c;
```

```
    // b = a - b - c;
```

```
    // c = a - b - c;
```

```
    // a = a - b - c;
```

```
    // Swap numbers within a single line.
```

```
    a = (temp = a + b + c) - (b = temp - b - c) - (c = temp - b - c);
```

```
printf("Changed number = %d %d %d", a, b , c);

return 0;
}
```

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**34. WAP. to Print the range of a number. E.g. number 78 is between 70 and 79, 102 is between 100 and 109.**

Test Data:

```
Enter a number : 78

Enter a number : 102
```



Expected Output:

```
78 number is between 70 and 79

102 number is between 100 and 109
```



```
#include <stdio.h>

int main(){
    int num, x, y;

    printf("Enter a number:");
    scanf("%d", &num);

    x = num / 10 * 10;
    y = x + 9;

    printf("%d number is between %d and %d", num, x, y);

    return 0;
}
```



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**35. WAP. to merge three number. E.g. a= 1, b= 2, c = 8 is 128.**

Test Data:

```
Enter 3 number: 1 2 3
```



Expected Output:

```
merge number = 123
```



```
#include <stdio.h>

int main(){
    int a, b, c, merge;

    printf("Enter 3 number:\n");
    scanf("%d %d %d", &a, &b, &c);

    merge = a * 10;
    merge = merge + b;
    merge = merge * 10;
    merge = merge + c;

    printf("merge number = %d", merge);

    return 0;
}
```



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## 36. WAP. to input paisa and convert it into rs. and paisa

Test Data:

```
input paisa: 1550
```



Expected Output:

```
15 rs. 50 paisa
```



```
#include <stdio.h>

int main(){
    int paisa, rs;

    printf("Enter paisa:");
    scanf("%d", &paisa);

    rs = paisa / 100;
    paisa = paisa % 100;

    printf("Total %d Rs. and %d Paisa", rs, paisa);

    return 0;
}
```



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