C 21_q41.c > ...

```c
// Q41: Write a program to swap the first and last digit of a number.

/*
Sample Test Cases:
Input 1:
1234
Output 1:
4231

Input 2:
1001
Output 2:
1001

*/

#include<stdio.h>
#include<math.h>
int main(){
int n,last,first,digits,temp;
printf("Enter number: ");
scanf("%d",&n);
last=n%10;
digits=(int)log10(n);
first=(int)(n/pow(10,digits));
temp=last;
temp*=(int)pow(10,digits);
temp+=n%(int)pow(10,digits);
temp-=last;
temp+=first;
printf("Swapped: %d",temp);
return 0;
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\21_q41.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter number: 1234
Swapped: 4231
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\21_q41.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter number: 1001
Swapped: 1001
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```

C 21_q42.c > ⊙ main()

```c
// Q42: Write a program to check if a number is a perfect number.

/*
Sample Test Cases:
Input 1:
6
Output 1:
Perfect number

Input 2:
10
Output 2:
Not perfect number

*/

#include<stdio.h>
int main(){
int n,i,sum=0;
printf("Enter number: ");
scanf("%d",&n);
for(i=1;i<n;i++){
if(n%i==0)sum+=i;
}
if(sum==n)printf("Perfect");
else printf("Not perfect");
return 0;
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\21_q42.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter number: 6
Perfect
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\21_q42.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
Enter number: 10
Not perfect
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```