Problem1- Finds the quotient and remainder

```
#include<stdio.h>
main( )
{ int a,b,c,d;
  printf("give two numbers");
  scanf("%d %d", &a, &b);
  c=a/b; d=a%b;
  printf("%d      %d",c,d);
}
```

Note- Here / is quotient and % is remainder. 87/7=12. 87%7=3.

Problem 2- Finds last digit of a number and deletes the last digit.

```
#include<stdio.h>
main( )
{ int a,b,c;
  printf("give a number");
  scanf("%d", &a);
  b=a%10; c=a/10;
  printf("%d    %d", b, c);
}
```

Note- a%10 finds last digit of a number. a/10 deletes the last digit.

Problem 3 Join a digit and a number

```
#include<stdio.h>
main( )
{ int a,b,c;
  a=42315; b=9;
  c=a*10+b;
  printf("%d",c);
}
```

4. Write program to delete the last digit. input 13613 output 1361. input 324 output 32.
5. Write program to delete last two digits. input 13613 output 136. input 324 output 3.
6. Write program to print the second last digit. Input 83613 output 1. Input 427 output 2.
7. Program to find the sum of last two digits. For above input output 1+3=4 and 2+7=9,
8. Write program to double the last digit. e.g. 23613 ⇒ 23616. 324 ⇒ 328. (last digit <5)
9. Write program to double the second last digit. Input 23613 output 23623.
10. Write program to delete the second last digit. 23617 ⇒ 2367. 2365 ⇒ 235.
11. Exchange last two digits. 23617 ⇒ 23671. 27845345 ⇒ 27845354.
12. Exchange the last and the third last digits. 23617 ⇒ 23716. 845345 ⇒ 845543.
13. Read a number. Find product after deleting last and second last digit. Input 4358 output 190530 (438*435).
14. Read two numbers. Find their product after exchanging last digits. Input 4270 and 153 output 640950 (4273x150). Input 348 and 31 output 12958 (341*38).
15. Write programs for followings **without** using (% mod). [Hint: to find last digit use x-(x/10)*10.] Assume number x is integer. Let x=2134674 the last digit is 4.
16. Find second last digit. Let x=2134674 the second last digit is 7.
17. Delete second last digit. Let x=2134674 ==213464
18. Exchange last two digits. In the above 2134647.
19. Exchange last and third last digit. 2134476.
20. Read one more integer (k) and print k^{th} last digit. Let x=2134674, For k=5 the output is 3.