#include <stdio.h>

int main()

{

char c='a';

switch(c)

{

case 97:

printf("97");

break;

case 'a':

printf("98");

break;

case 99:

printf("99");

break;

default:

printf("default");

}

return 0;

}

Output:

Error

#include <stdio.h>

void main()

{

int n,r,s=0;

scanf("%d",&n);

while(n!=0)

{

r=n%10;

s=s+r;

n=n/10;

}

printf("%d",s);

}

Output:

2457

18

#include <stdio.h>

void main()

{

int n,r,s=0;

scanf("%d",&n);

while(n!=0)

{

r=n%10;

s=s\*10+r;

n=n/10;

}

printf("%d",s);

}

Output:

4321

1234

#include <stdio.h>

void main()

{

int n,r,s=0,t;

scanf("%d",&n);

t=n;

while(t!=0)

{

r=t%10;

s=s\*10+r;

t=t/10;

}

if(s==n)

printf("palindrome number");

else

printf("not a palindrome");

}

Output:

2552

Palindrome number

#include <stdio.h>

void main()

{

int n,r,s=0,t;

scanf("%d",&n);

t=n;

while(t!=0)

{

r=t%10;

s=s+r\*r\*r;

t=t/10;

}

if(s==n)

printf("amstrong number");

else

printf("not a amstrong");

}

Output:

153

amstrong number

#include <stdio.h>

void main()

{

int n,r,s=0,c=0,t;

scanf("%d",&n);

t=n;

while(t!=0)

{

c++;

t=t/10;

}

t=n;

while(t!=0)

{

r=t%10;

s=s+pow(r,c);

t=t/10;

}

if(s==n)

printf("amstrong number");

else

printf("not a amstrong");

}

Output:

153

amstrong number

#include <stdio.h>

void main()

{

int n,r,s,c,t,range;

scanf("%d",&range);

for(n=1;n<=range;n++)

{

t=n;

s=0;

c=0;

while(t!=0)

{

c++;

t=t/10;

}

t=n;

while(t!=0)

{

r=t%10;

s=s+ceil(pow(r,c));

t=t/10;

}

if(s==n)

printf("%d\t",n);

}

}

Output:

10000

1 2 3 4 5 6 7 8 9

70 371 407 1634 8208 9474

#include <stdio.h>

void main()

{

int n,r,s,t,range;

scanf("%d",&range);

for(n=0;n<=range;n++)

{

t=n;

s=0;

while(t!=0)

{

r=t%10;

s=s\*10+r;

t=t/10;

}

if(s==n)

printf("%d\t",n);

}

}

Output:1000

0 1 2 3 4 5 6 7 8 9 1

1 22 33 44 55 66 77 88 99 101 1

11 121 131 141 151 161 171 181 191 202 2

12 222 232 242 252 262 272 282 292 303 3

13 323 333 343 353 363 373 383 393 404 4

14 424 434 444 454 464 474 484 494 505 5

15 525 535 545 555 565 575 585 595 606 6

16 626 636 646 656 666 676 686 696 707 7

17 727 737 747 757 767 777 787 797 808 8

18 828 838 848 858 868 878 888 898 909 9

19 929 939 949 959 969 979 989 999

#include <stdio.h>

void main()

{

int n,r,s,t,k,c=0;

scanf("%d",&k);

for(n=0;c<k;n++)

{

t=n;

s=0;

while(t!=0)

{

r=t%10;

s=s\*10+r;

t=t/10;

}

if(s==n)

{

c++;

printf("%d=%d",c,n);

}

}

}

Output:

15

1=02=13=24=35=46=57=68=79=810=911=1112=2213=3314=4415=55

#include <stdio.h>

void main()

{

int n,i,c=0,range;

scanf("%d",&range);

for(n=2;n<=range;n++)

{

for(i=2;i<=n/2;i++)

{

if(n%i==0)

c++;

}

if(c==0)

printf("%d",n);

}

}

Output:

7

23

#include <stdio.h>

void main()

{

int count,n,i,c=0,range,s;

scanf("%d",&range);

for(n=501;n<=range;n++)

{

c=0;

for(i=2;i<=n/2;i++)

{

if(n%i==0)

c++;

}

if(c==0)

{

s=s+n;

printf("%d\t",n);

}

}

printf("\n");

count=printf("%d",s);

printf("\n%d",count);

}

Output:

1000

503 509 521 523 541 547 557 563 569 571 5

77 587 593 599 601 607 613 617 619 631 6

41 643 647 653 659 661 673 677 683 691 7

01 709 719 727 733 739 743 751 757 761 7

69 773 787 797 809 811 821 823 827 829 8

39 853 857 859 863 877 881 883 887 907 9

11 919 929 937 941 947 953 967 971 977 9

83 991 997

54591

5

#include <stdio.h>

void main()

{

int n,t,r;

scanf("%d",&n);

t=n%10;

while(n!=0)

{

r=n%10;

n=n/10;

}

printf("%d",r+t);

}

Output:

25873

5