```
16-05-24
Q! - Einding sum of individual digits of given number:
                                 ( it related the
-> main ()
                           soul in the tell his soul
  2 int m, n, s=0;
                             m = m/10;
    found ("enter ");
                                 (8=35+M"
    scanf ("1. Q", &m);
                                         m= m/10
     while (m! = 0)
         m= m'/10;
          A DS = S+M;
            W= W/10;
      foundly ("1.0", s);
a:- was to reverse a number;
-> main ()
                                      m = m 1.10;
    int m, M, S = 0;
                                       s= s*10+m"
                                      W = W/10;
    fruinty ("enter in");
     Scanf ("1.d", km);
      while (m! =0)
     1 m = M'/. 10;
        s= s * 10 + m;
         m= m/10;
    printf (" Y. d" s);
```

a: WAP to check geven number is Palindrome or not! 2 main () { int m, m, S=0, x; in a million printly 1" enter m"); a slary had while (m!=0) scanf ("7.d", & m); m= m'1. 10; while (n!=0) s= 5 \* 10+m; M/m= M/10; M= M7.10; 3 = s \* 10+ m; 4 (L== 5) mam = M/ 10; 4(x==s) found ("Palindrome"); Party Prince J. else printf ("Not a Palindrome") Q:- WAP to check your number is winstrong or not:--> main ( ) white (M) \$0) 1 int m, m, s=0,x; m=m 1/10; wants ("enter m")) S=Stmtmkm scanf ("1.1", 4 m); m = m/10; while (m!=0) 4(12=5) Plane XI J. dolla m= m/10) Correct to the 5 = S+ m \* m \* m 1 - M = M/10; ily (x== 5). prints (" Armstrong"); print (" Not an Armstrong");

B!-WAP to check the given number is prime or not!main () Int i, m, c=0; The stand of the Forty wind ("enter m"); 1 172 Scanf ("1.d", 4 m); while (i = m/2) 8. if (my.i==0) while (i L= M/2) (0==i.ym) JE } CALAIN SITA 4 (C== L) ·C++1, : i+t; not prime (2.5 5 1 1: 2) il ( ( == 2 ) WHU CI CAMO founds (" Prime") { if (m/1==0) a: - wap to check the given number is perfect or not! -> main()'llis if (s==m) , m, m, mi 2 just 1, m, 5=0; fruit ("enter in"); brunts (" Perfect ")" scanf (" 1.0", 4m); built (" Not perfect"); 1=1;-14 while (1 <= 1/2) d if (n'l·1==0) 61-XW = W. min the \* 100 13 421. 5=3+1; white (1 = 1/2) it+; f il (n'(1) c = 0) producty ") 1144! forfest else not forfest

Neon Number 4=81=8+1=911 muin () a sin a me me sa Eint m, sar, rem, sum=0; 9 × 9 Sum + printly (" enter m"); (中国共產黨) 大田 scanf ("1.d", 4 m); sq = m \* m; 3, 10, 0,00 42 m = 10 while ( sq! = 0) 1 sum = saran Sq 1.10; Sum + = ram; Sum = sum + ram sum + = rum; 59.1-10; 10000 if (sum = = m) printf (" Neon No?"); else fruits (" Not a Neon No "); a And programs write in do-while ( " projection of English il-etre -> muin () int a; printy ("enter a"); scanf ("1.0", & a); do t found (" " d" a); 1 Atti while (a <= 10);

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a fait ment with
                                       if - else
main ()
                                           1 - Palindran
                                       2 - Dunetung
int m, m, s=0, x; 4; 4;
 buint (" enter m");
                                        pain level
 Scanf (" 1. d", k m);
                              2 for sometrony ");
 fruitf ("enter 1 for Palindrome
                                y=>100 } ibi
 scanf ("7.0", 44)
                                 2-No A-4
  if (y==1).
L=N;
    while (M!=0)
                                        All Wedgrams
    E m= m / 10;
                                          Writein do-while
      S M = 5 * 10+m;
     m = 1/10;
      Ar (s== x)
      pointf (" Palindrome ");
     "printf (" Not a Palindrome");
                                             TANKE -
     else if (1y= = 2)
      1 x=m;
                                    4 (X==S)
       mym (w; =0)
                                   printf (" Armetrong")
         m = m/10;
                                    wantf 1" not prination;
          S=S+m + m + m + m;
        M = M/10;
```

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do-while ()
a: Eindorg sum of individual digits of given number:
    int main ()
                                                                                                                                                          The state of the s
            t int m, m, s= 0;
                                                                                                                                                         Committee Table
                   jointf ("enter m:");
                                                                                                                                                           sair and the
                     scanf ("7.d", 4 m);
                     do { m = m 1. 10 }
                                                                                                                                                         is a my
                                     5 = 5 + m;
                                                                                                                                               Cartaria Comment
                                        M=M/10;
                                while (m!=0)
                              printf ("sum of individual digits is: 1.d \n", s);
        a: - WAP to revouse a number: -
         -> aont main ()
                              int m, m, s = 0;
                               printly ("Enter m: ");
                                                                                                                                                        emic many best of 621.
                                 scant ("1.d", dm);
                                                                                                                                                  THE ME TO THE
                                                  m=m1.10;
                                                                                                                                            The property of the
                                                 S= S* 10+m;
                                                                                                                                               and the kind have
                                                 m = m/10;
                                            while (m! =0);
                                          fruitf (" the reversed number is: 1/d 1 m", s);
```

```
B! - WAP to their given number is Palindrome or Not: -
 -> imain ()
      int m, x, m, s=0;
                                       1.00 12.00 M. 15 M.
      fruit ("Enter M: ");
                                     Contract of the second
      scanf ("1.d", & m),
                                     West For East
      x = m
      dos
          m = m 1/10;
                                       Surking with
           S= 5 10+m;
          m=m/10;
                                       cistal days
        while (m > 0);
         if (x == 5)
        want (" Palindrome");
         else
        pointf ("Not a Palindrome");
a: - WAP to check given number is armstrong number or Not;
-> main()
     int m, x, m, 5=0;
      fount ("enter m: ");
     scanf ("1.d", &m);
     X= M!
      10 f m = m / 10;
           5 - S+ m * m * m;
           W= W/10;
```

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and wanty that the that he
   while (m > 0);
   2/ (x = = s)
    brindf (" " d is an Armstrong number ", x);
    printf ["" I d is not an printerong number", x);
0:-WAP to which the given number is prime or not:
2 main ()
   tint i, m, c=0;
    friends ("enter n;");
                                     Min and Market
     scanf ("1.0", dm);
                                      and the state of the state of the state of
          if ((m!=2) kk (m 1-i==0))
                          and report of your, there is
          break ; man year si submine roughly deal at a
       1++;
                                  in matter of the first
       while (ix= m/2);
        if (c==0)
        pounts ("1. d is a Prime number", m);
       printy ("1. d is not a Perimo number ", m);
```

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A: WAP to check the given number is perfect number or not.
-> main ()
                            which is a party with
    int i, in, s = 0;
      frintly ("enter m: ");
      scarif ("1.d", &m);
             a transfer words and out a more of the at the
           if (m /. i==0)
          S= S+1;
           1++;
                                         Willy to entar
         while (i <= m/2);
        if (s==m)
        bruntly ("7. d is a Perfect number", m).
         else.
         fruint (" 1. d is not a Porfect number", m):
B:- WAP to check the given number is mean number or not :-
>> main ( )
    unt m, say, musum 20'
                                                1049 au
    druntf ("Enter m: "):
                                                    Nean Nots
     scanf ( " y, d", & m)
     Sq = M * M !
     dos
         Sum += Sq/1/10;
         sqr /= 10;
     while ( sq! =0);
     if (sum == m)
     point (" " . d is a neon number", in);
     printf [" " d is not a near number ", ");
```

```
8: Program to check if a number is both a Palindrome and an
  prostrong number:
 -> # include < etilia. h>
   # include < math. h>
                           artidal six (x 1) field
   int main ()
      int m, original-num, reversed-num = 0, rumainder, sum = 0,
       num - digits = 0;
       11 input number from user
                                 edidate to be before
       printf (" Enter an integer:
       scanf ("1.0", 4m),
        original - num = m;
           num_digits + +;
             m/=10;
          } while (m!=0);
        n = original - num;
         dof
             remainder = M1.10;
             reversed num = reversed num* 10 + remainder;
              sum + = pour (remainder, num-digits) // Add the
            digits to raise to num-digits to the sum
              M /= 10; // Remove the last digit from the mumber
                               11 continue until m' becomes o
             While(m!=0);
```

```
11 check if the number is Palindrome
if (original - num = = reversel - num)
 print (" 7. d is a palindrame number 1 m", original-num).
  printf (" 7 d is not a palindrome number ( n' ", original num);
1/ check if the number is Armstrong

if (sum = = original num)
    printf (4% d is an wronstrong number (m'; original-num);
    point[1" 1.d is not an armetrong number (m', original: num);
```