```
11 Arogramm of Arithmatic Expression
 # include < stdio.h>
 # include < conio.h>
  main () asked to itempted to monome
  int sum, mul, div, mod, sub, a, b;
  int c:
  clrscr ():
  printf ("Enter the value of a=");
  scanf ("%d", &b);
  printf ("Fater the value of b=");
  scanf ("%d", €b);
  printf ("-----\n");
  printf ("2 Addition \n");
printf ("2 Multiplication \n");
 printf (" 3 Division \n");
         " U. Substraction (n');
 printf (
 printf ("5 modulo (n");
 printf ("----- \n");
printf ("Enter your choise = ");
 sconf (" % d", & c);
 switch (c)
  case 1: sum = a + b;
          printf (" sum is = fd(t", sum);
          break :
 case 2 : mul = a * b;
          printf (" mul is = %d \t", mul);
          break !
  case 3 : div = a/b;
          printf ("div is = %d/t", div);
           break !
  Case a : Sub = a - b;
           printf (" Substraction is = 1/d/t "sub);
           preak ;
```

```
Case 5: mod = a % b;

printf ("modulo is = % d\t", mod");
       break;
default: printf ("In please enter the proper chaise");
       break;
getch ();
return o;
```

```
/* FACTORIAL OF A Number */
 # include < stdio.h>
# include < conio.b>
main c) an infrohoil to mamon?
 int n, i, fact = 1;
 cirscr ();
 for ( i= 1; i <= 0; i++)
 fact = fact * 1;
  printf ("factorial of the number is %d \n", fact);
 getch c);
```

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```
11 Programm for relational operator
  # include < stdio. h >
 # include < conio. h > delete de aurepois
 void main ()
    int my age, your age;
    clrscr ();
    prints ("enter man my age :-);
   scanf ("1.d", & my age);

printf ("enter your age);

if (my -age = = your age)

printf ("we are born in the same year");
    9219
    printf ("we are born in different year");
 getch ();
```

```
11 Program for checking given number is palindrome
 # include < stadio.h >
# include < conio.h > Mag
 main ()
  int n, reu = o, rem, ori;
 clrscr ():
  printf ("Enter an Integer \n");
  scanf ("%d", ¢n);
  ori = n;
 while (n1:0)
 rem = n% 10;
  rev = rev * 10+ rem;
  n = n/10;
  if (ori = = reu)
 printf ("(n number is palindrome In");
 else
printf ("number is not polindrome");
 getch ();
                                                 Obs
```

```
// Programm for Amstrong number.
  # include < std io. h >
  # include < conjo.n > A
 main ()
  int n, rev = o, rem, ori;
 claser ();
 printf ("Enter on Integer (n");
  Sconf (" % d ", ≠ n);
  Ori = D;
  while (nj = 0)
  rem = n % 10;
  TPU = TPM * TPM * TPM+ TPU;
  n = n/10;
 if (ori = = 100)
 printf ("In number is Atmstrong In");
  else
  printf ("number is not Armstrong").
3 detch ();
```

```
11 Programm for fibbonacci series
# include < stdio. h >
# include < conia h > addil ad manage
main ()
 int a = 0, b = 1, c, limit, count;
 claser ();
 printf ("Enter the limit of spries \n");
 sconf ( "% d", & limit);
 printf ("enter the value of frist term \n");
 printf ("\n%d", a);
 printf ("\n%d", b);
 count = 2;
 while (count < limit)
  c = a+b;
  count ++
printf ("\n1:d", c);
  a = b:
  b = C:
 getch ();
```

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```
11 Program for Matrix of Addition
 # include < stdio.h >
# include < conio.h >
  main () milibba to sister set aumanang
  int a [2][2], b [2][2], c[2][2], i, j;
  cliser ();
  printf ("Enter the motrix A \n");
  for (i=0; i<2; i++)
 for (j=0; j<2; j++)
 sconf ("%.d", & a [i][j]);
  printf (" Enter the matrix B\n");
 for ( i= 0; i<2; i++)
 for (j = 0; j < 2; j++)
 scanf ("%d", & b [i][j]);
printf ("\n");
  print ( "Addition of A and B \ n");
 for (i=0; i<2; i++)
 for (j=0; j<2; j++)
 د دانادناء مدانادناء بهداناته:
```

```
printf ("Addition is = - \ln ");
for (i=0; i<2; i++)
3
   for (j=0; j<2; j++)
  printf ("dod/t", c[i)[j]);
  printf ("\n");
getch c);
```

```
// Programm for Matrix of Substraction
 # include < stdio. n >
 # include < conjo.h>
main ()
 int a [2][2], b[2][2], c[2][2], i,j;
 claser ();
 printf ("Enter the matrix A\n");
 for ( i=0; i<2; i++)
 for (j=0; j <2; j++)
 scanf ("%d", & a [i][j]);
 printf ("In");
 printf (" Enter the matrix B(n");
for ( i=0; i<2; i++)
for (j=0; j<2; j++)
 Sconf ("4.d", € b [1]);
printf ("In");
 printf (" Substraction of A and B \n");
 for (i=0; ix2; i++)
for ( j=0; j < 2; j++)
 c [i][j] = a[i][j] -[b[i][j]
```

```
print (" Substraction is = -\n");
-for (i=0; i<2; i++)
for (j=0; j<2; j++)
printf (" olod (t", c[i][i]);
 print (" \n");
getch ();
```

```
Write a programe for function overloading.
# include < stoio.h>
# include < conio.h>
void swap (int &, inty)
 int t;
 + = & .
 æ = y;
 y = +;
 printf ("In%d %d", æ, y);
void swap ( float &, float y)
 float t;
+= 26:
 æ - 4:
 y = t;
 printf ("\n%& 1.f", &, y);
 void main ()
  float chaz, chaz;
  int a, b;
 to claser ();
  printf ("enter any two Floot no In");
  scanf (" 1.f 4.f", & cha 2, & cha 2);
 swap (chaz, chaz);
  printf ("Enter any two numbers");
 scanf ("1.d1.d", &a, 4b);
  swop (a,b);
 getch ();
```

```
Write a program for swaping to integrate no.s
using call by value & call by reference.
   # include < stdio.h.x to prigns
   # include < conio.b>
  void swop (int * &, int * y)
  int +:
  printf ("value of & & y before swaping:-\t/d/.d",
** * * y);
printf ("In value of 2 24 after swaping: - + 1.d 1.d";
 void moin ()
  int a,b;
  clrscr ();
 printf ("enter the two integer in");
 scanf ('/d /d", &a, &b);
  swap ( & a, & b);
 getch ();
         # include < stdio.h>
         # include < conio.h>
       void m swap ( int &, inty)
    int t;
 printf ("value of & & y before swaping: - 1+1
     æ, y);
```

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```
printf ('In value of se & y after swaping :- It /.d /.d",
      æ, y);
 void main ()
 int ch 2, ch 2;
 cirscr ();
print f (" enter two integers \n");
scanf (" 1.d , 1.d" , & ch 1 , & ch2);
  Swup (ch1, ch2);
  getch ();
```

```
Write a programme to demonstrate string function
 # include < stdio.h>
 # include < string h >
 # define size 26.
 void main co
  Char SI [ size ];
  char Sa [Size];
  int sa;
  clrscr;
  printf (" Enter first string");
  gets (S1);
  printf ("Enter second string");
  QP1 5 (52);
  strlen (SI);
  printf ("given string length: \t ./ s", strien);
  printf (" - - - - - - - ");
 stropy ( 52, S1);
 prinif ("In given string is copied: It % s" 5=);
 printf (" - - - - - - ");
 pristreev (SI);
 printf ("given string is reversed:/11.5", si);
printf ("------");
 stroot (81,52);
 print & ("In concatentation string is: 1+1.5", s);
 printf ("----");
 Strupr (SI);
 printf ("given string is upper case letter: 1+1.5", 51)
 printf ( "gr - - - - ").
 Striwi (S2);
 printf ("given string is lowercase letter: +4.5", 52)
printf ("---");
 getch ();
```

```
the Shifafiran Paril College Divale
  Write a program to Demonstrate Pointer
  variable
    # include < stdie.h > ......
    # include < conio.h>
    void main ()
    int * P;
     int q;
      9=20;
     p = 4 q;
     printf (" 1.d", * p);
    getch ();
        # include < stdio. h>
The include < conjoh >
   void main ()
    int * p;
    int ** p1;
   int a;
   cirscr ();
   p = & a;
   pl= 4 p;
  * p - 100;
  print f (" %d", a);

** pl= 200;

print f (" | n/l.d", a);
  a = 300
printf ("\nid", ** PI);
  getch ();
```

```
Write a pre grame to demonstrate strucJute
 # include < stdio. h >
 # include < conto. b > meta standard out so
 void main ()
 Struct Student
 int (-no:
char name [20]:
char brunch fre:
 int marks ;
 struct student st:
 circor ():
 printf ("enter data for student:");
 sconf ("4.d" st. roll no.);
  gets (st. name);
 printf (" Jotal marks ")
 Sconf L'O"; St. CL, rtsj.;
 mintf ( " student report");
 printf ( " Roll no 1 / d / t " st. roll no");
printf ("\n nome : 0;cS | s|- oame)~

printf ("\n brooch ~ 1"5") st branch);
prints (" in total marks 1 1/d", st. marks);
getch ();
```