i) # include (cetchio.h)

void fun (int x)

{

x = 30;

}

int main()

{

int y = 20;

fun (y);

point f (" fo d", y);

return 0;

O/P: 20

The parameter is passed by value The value of y is not modified using the known fun(). Using the known fun(). The value changes only inside the function by executing saparate variable. The original value of y remains same.

in the cutdio. h>

void for (int \* pts)  $\frac{1}{2}$ \* pts = 30;int main()  $\frac{1}{2}$ int y = 20;for  $\frac{1}{2}$ reduce  $\frac{1}{2}$ int  $\frac{1}{2}$ point  $\frac{1}{2}$ reduce  $\frac{1}{2}$ re

O/P: 30

The parameter is passed by seference.

The function modifies the value at the address ptr.

In the statement \*ptr=30, the value at address ptr if changed to 30.

```
3) int main ()
    int *pto;
    int Xi
    pts = &x; // Pto posts to x
    *ptr = 0; Il value at ptr is 0 or x is 0
   pointy ("x=/-d/n',x); // value of x is 0
   port/ (" *ptr = /d/n", *pto); I value at pto is 0
   *pts+=5; //increment value at pts by 5
   point ("x=1-d \n",x); ... Il value of x is 5
   print (" * pts = /-d (n", * pts); // value at pts is 5
   (*pts)++; // increment value at pts by $
  port ("x = 1-d\n", x); // value of x is 6
   point ("*pto=/d(n", *pto); // value at pto is 6
  selvo;
ofp: Warning for not using Hindude <stdo h>
   X =0
   *pts = 0
   X=5
   * pt8 = 5
   x = 6
   * pt = 6 -
                              51 points to the first character
4) # include (stdio.h ?
  Int mar ()
                              of assay.
                              p holde, the address of 3 rd how ter
      chas s[[7] = "1234";
                             The value at P is changed to 0
     P = S(+2;
     *P='0';
                             It ports 1204
  } point (" 75", S1);
0/p: 1204
```

```
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```

```
s) # include < stdio.h>
void J(int *p. int *q)

P = q;

P = q;

int i = 0; j = 1;

int main()

P = q(i, di);

P =
```

```
P points to the address of;

of points to the address of;

when, P=V; P also points

to i.

*P=2; The value of i

is changed to 2

It points I=O

i=2
```

```
6) Hinchde (sldioh)
                              is passed by value
  int f(int x, int *py, int **ppz)
                               a and base passed by sejertra
    id y, z;
                   // c=4+1=5
   ** PPZ += 15
                  11 z = 5
    z = * * pp z;
                   110=5+2=7.
   * py += 2;
                   11 4=7
     y = * Py;
                   1 x=4+3=7
                      It returns 7+7+5=190:
     x t=3;
    octuon x + y + 2;
 void main()
    it c, *b, **a;
                                 3000
    C = 4;
   b= 4c;
   port ( 'tod", f(c,b,a);
   return 0;
0/p: 19
```

7) # include cstdio.h> P points to the first int main() element of array. int axx[] = {1,2,3.4,5]; ++\*P is evaluated as ++(\*P) int \*p = assi It increment the value of first element (1 to as 2). ++\*P; P # += 2; porty (" +d", \*p); In P+=2; The valve of P is changed to address of third element. retun 0; Then it points the value at 0/P: 3 third address of assay. 8) # include (stdio.h > Pholds the base address int movin () of 0.880y C. dar c[] = "GATE20\$1"; P[3] = 'E' P[] = A' Char \*p = C; PEE - PIN = 69-65=4 port/["+s", p+p[3]-P[1]); (ASCII valves) P+4 is base address 0/P. 2011 g stong "2011" 18 - 5/8/2 = 101 int main () char are[]="Workstreet"; pointy ("/-s", ass+4); axx+4 is the base address d slong street. return 0;

o/p: staret

int fur (chas \*stol) 我就在下,在11至11万分的一样 chas \*stod = sto1; while (\*++sto1); (eq. 1/1) setum (stol-stra); int main () char \*sto = "Work Street"; porty ("+d", tun (stx)); respection 0; et alle 1 .say C. 0/P: 10 The for courts the number of character in the The pointer stop is initialized as stol. while (++ str1); incomments str1 till 10' stol is incommented by 10. stol-sto2 = 10.

early sind of the

A Charles great

Very testing left dans works