```
void increment ( int, char );
int main ()
{
    int a = 10;
    char b = 'x';
    printf("Before calling inc, a = %d, b = %c", a, b);
    increment (a, b);
    printf("\n After calling inc, a = %d, b = %c", a, b);
    return 0;
}
void increment ( int &a, char b)
{
    a = a+1;
    b = b+1;
}
```

Pass / call by value

main()

a	b
10	'x'
(1000)	(2000)

a = 10, b = x

increment (10, 'x');

increment()

a	b
11	'y'
(3000)	(4000)

a = 10; b = x

```
void increment ( int *, char * );
int main ()
{
    int a = 10;
    char b = 'x';
    printf("Before calling inc, a = %d, b = %c", a, b);
    increment (&a, &b);
    printf("\n After calling inc, a = %d, b = %c", a, b);
    return 0;
}
void increment ( int *p, char *q)
{
    *p = *p+1;
    *q = *q+1;
}
```

Call / Pass by ref

main()

a	b
11	'y'
(1000)	(2000)

increment (1000, 2000);

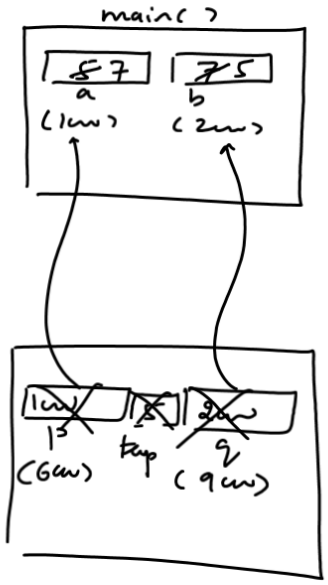
a = 11

b = y

p	q
1000	2000
(3000)	(4000)

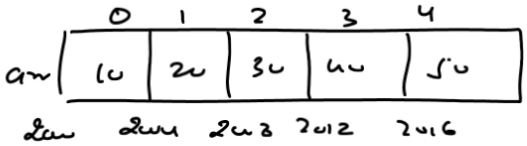
WAP to accept 2 integers from the user in the function main(). Now pass them to a function called swap(). Within the function swap() exchange the values of the variables but print back the result in the function main().

```
void swap(int *,int *);
int main()
{
   int a,b;
   printf("Enter 2 int:");
   scanf("%d %d",&a,&b);        5  7
   printf("Before swapping , a=%d,b=%d",a,b);
   swap(&a,&b);  ------> swap(1000, 2000);
   printf("\nAfter swapping , a=%d,b=%d",a,b);
   return 0;                          7  5
}
void swap(int *p,int *q)
{
   int temp;✓
   temp=*p;
   *p=*q;
   *q=temp;
}
```



Passing Array As Argument To Function

```
void display(int *);
int main()
{  int arr[5];
   int i;
   for(i = 0; i < 5; i++)
   {
      printf("Enter no: ");
      scanf("%d", &arr[i]);
   }
   display( arr );
   return 0;
}
```



To be continued!