```
//pointer and array
//1) &a[0]==a; 2) &a[i]==(a+i) 3) a[i]==*(a+i)
/*
#include <stdio.h>
 int main()
 int a[]=\{10, 20, 30, 40, 50\};
 int i;
 int* ptr;
 ptr=a;
for (i=0; i<5; ++i)
// printf("\n%d", a[i]);
//printf("\n%d", *(a+i));
//printf("\n%d", *(i+a));
printf("\n%d", *(ptr+i));
 return 0;
 } * /
/*
 #include <stdio.h>
 int main(void)
 int a[] = \{10, 12, 6, 7, 2\};
 int i;
 int *p;
 p=a;
 int sum = 0;
 for (i=0; i<5; i++)
 //sum += a[i];
 //sum+=p[i];
 //sum += *(a + i);
 //sum+=*(p+i);
 }
 printf("%d\n", sum);
 return 0;
 } */
/*
 #include <stdio.h>
 int main(void)
 int a[] = \{10, 12, 6, 7, 2\};
 int i;
 int sum = 0;
 int *p;
 p = a;
 for (i=0; i<5; i++)
```

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sum += *p;
p++; }
printf("%d\n", sum);
return 0;
 } */
//p++ is p=p+1=p+1*4 (for pointer to int)//for example, ptr is
initialized to point
//to the float array element, arr[3]. ptr - 1 points
//to arr[2], and ptr + 1 points to arr[4].
//Access Array Elements Using Pointers
#include <stdio.h>
int main() {
    int a[5], i, data[5];
    int *x=a;
    printf("Enter 5 array elements:\n ");
       for (i = 0; i < 5; ++i)
        scanf("%d", x + i);
     printf("Elements in a[]: \n");
         for (i = 0; i < 5; ++i){
            printf("%d\n", *(x+i));
                           }
 return 0;
}
/*
#include<stdio.h>
void printNum(int p[], int size);
//void printNum(int [], int );
int main()
int a[4] = \{4, 10, 1, 5\};
printNum(a,4);
return 0;
}
void printNum(int ptr[], int len)
int i;
for(i=0; i <len; i++)
printf("*(ptr+%d) = %d \n",i,*(ptr+i),i);
//printf("ptr[%d]= %d \n",i, ptr[i]);
```

```
}
} * /
/*
#include<stdio.h>
//void printNum(int *ptr, int len);
//void printNum(int *, int );
int main()
int a[4] = \{4, 10, 1, 5\};
printNum(a,4);
return 0;
}
void printNum(int *ptr,int len)
int i;
for(i=0; i <len; i++)
printf("*(ptr+%d) = %d \n",i,*(ptr+i),i);
//printf("ptr[%d]= %d \n",i, ptr[i]);
}
} * /
/*
#include<stdio.h>
void fill array(int* x, int, int);
int main(){
        int x[5],i;
        fill array(x, 5, 1);
        for (i=0; i<5; i++) {
          printf("%d", x[i]);
          printf("\n");}
        return 0;
}
void fill array(int *list,int n, int in val){
        int i;
        for (i=0;i<n;i++)
        //
                 list [i]=in val;
                 *(list+i)=in val;
        }
}
*/
```