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LINKED LIST:
1] create linked list
#include <stdio.h>
#include <stdlib.h>
struct Node{
  int data;
  struct Node *next;
}*first = NULL;
void create(int [], int);
void display(struct Node *);
int main()
  int A[] = \{1,2,3,4,5\};
  create(A,5);
  display(first);
  return 0;
void create(int A[], int n){
  int i;
  struct Node *temp, *last;
  first = (struct Node*)malloc(sizeof(struct Node));
  first->data = A[0];
  first->next = NULL;
  last = first;
  for(i = 1; i < n; i++){
     temp = (struct Node*)malloc(sizeof(struct Node));
     temp->data = A[i];
     temp->next = NULL;
     last->next = temp;
     last = temp;
```

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}

void display(struct Node *p){
  while(p!=NULL){
    printf("%d -> ",p->data);
    p = p->next;
}
```

2]Insert operation

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#include <stdio.h>
#include <stdlib.h>
struct Node{
  int data:
  struct Node *next;
}*first = NULL;
void create(int [], int);
void display(struct Node *);
void Insert(struct Node *,int,int);
int main()
  int A[] = \{1,2,3,4,5\};
  //create(A,5);
  //display(first);
  Insert(first,0,1);
  Insert(first,1,2);
  Insert(first,2,3);
  printf("\n");
  display(first);
  return 0;
}
void create(int A[], int n){
  int i;
  struct Node *temp, *last;
  first = (struct Node*)malloc(sizeof(struct Node));
  first->data = A[0];
  first->next = NULL;
  last = first;
  for(i = 1; i < n; i++){
     temp = (struct Node*)malloc(sizeof(struct Node));
     temp->data = A[i];
     temp->next = NULL;
     last->next = temp;
     last = temp;
  }
}
void display(struct Node *p){
  while(p!=NULL){
     printf("%d -> ",p->data);
```

```
p = p->next;
}
void Insert(struct Node *p,int index,int x){
  struct Node *temp;
  int i;
  temp = (struct Node*)malloc(sizeof(struct Node));
  temp->data = x;
  if(index==0){
     temp->next=first;
     first=temp;
  else{
     for(i=0;i<index-1;i++){
       p=p->next;
    }
    temp->next=p->next;
    p->next=temp;
}
```