STACK USING LINKED LIST

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Program to Implement Stack using Linked List *****/
   /****
#include <stdio.h>
void push();
void pop();
void display();
struct node
{
       int info;
       struct node *link;
} *top = NULL;
int item;
main()
      int ch;
      do
      {
          printf("\n1. Push\n2. Pop\n3. Display\n4. Exit\n");
          printf("\nEnter your choice: ");
          scanf("%d", &ch);
          switch (ch)
                case 1:
                     push();
                     break;
                case 2:
                     pop();
                     break;
                case 3:
                     display();
                     break;
                case 4:
                     exit(0);
```

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default:
                      printf("Invalid choice. Please try again.\n");
      } while(1);
      getch();
}
void push()
     struct node *ptr;
     printf("\n\nEnter ITEM: ");
     scanf("%d", &item);
     if (top == NULL)
             top = (struct node *)malloc(sizeof(struct node));
             top->info = item;
             top->link = NULL;
     }
     else
     {
             ptr = top;
             top = (struct node *)malloc(sizeof(struct node));
             top->info = item;
             top->link = ptr;
     }
     printf("\nItem inserted: %d\n", item);
}
void pop()
     struct node *ptr;
     if (top == NULL)
             printf("\n\nStack is empty\n");
     else
     {
             ptr = top;
             item = top->info;
             top = top->link;
             free (ptr);
             printf("\n\nItem deleted: %d", item);
     }
}
```