

Assignment Day 3

Question 1

```
Void Insert - any () {
```

```
    int data_value, key ;
```

```
    temp = (struct node *) malloc (sizeof (struct node))
```

```
    ptr = header ;
```

```
    while (ptr -> link != NULL && ptr -> data !=  
            key )
```

```
    {
```

```
        ptr = ptr -> link ;
```

```
    }
```

```
    if (ptr -> data == key)
```

```
    {
```

```
        temp -> data = data_value ;
```

```
        temp -> link = ptr -> link ;
```

```
        ptr -> link = temp ;
```

```
    } else
```

```
    {
```

```
        print ("not found") ;
```

```
    }
```

```
}
```

Question 2

```
struct node {  
    int data;  
    struct Node * next;  
} Node;
```

```
void delete_beg (node *p, int data)  
{  
    p = head;  
    head = head → next;  
    free (p);  
    return head;  
}
```


Question no. 3

```

node *delete_end (node *head) {
    node *p, *q;
    if (head == NULL) {
        free (head);
        head = NULL;
        return (head);
    }
    q = head;
    while (q->next != NULL)
        q = q->next;
    p = q->next;

    free (p);
    q->next = NULL;

    return (head);
}

```