

```
p=create(n)
p=q=NULLL;
```

```
while (r!=NULL)
```

```
    if(r->data%2==0)
        e=getnode()
        e->data=r->data
        e->next=NULL
        if(p==NULL)
            p=preve=e;
        else
            preve->next=e
            preve=e
```

```
    else
        o=getnode()
        o->data=r->data
        o->next=NULL
        if(q==NULL)
            q=prevo=o;
        else
            prevo->next=o
            prevo=o
```

```
    r=r->next
```

```
print(p)
print(q)
```