sodal saleem	
2929	
reg # 2019-404-610403	
Ovestion:1	
Prove that any integer n if	-
n³ is odd.	,
If no is odd then no = 2m+1	-
If we is odd	
for some in (n-1)(n3, n+1)	
There fore 2 m = n3-12 (n-1) (n3 + n+1)	
· n² +n+1 is odd	
since n2+n=n(n+1) is even.	
being the product of consectine	
integers.	
But 2m is even, so n-1 is even	
since the product of two odd	
nomber is odd.	
Therefre in is odd.	

