9.WRITE A PROGRAM TO CHECK A NUMBER USING PRIME NUMBER OR NOT USING RECURSION.

PROGRAM:

```
def prime(n,i=2):
    if n<=2:
        return n==2
    if n%i==0:
        return False
    if i*i>n:
        return True
    return prime(n,i+1)
num=int(input("enter a number"))
if prime(num):
    print("primr ")
else:
    print("not prime")
```

TIME COMPLEXITY:O(n)

