Name – sachin jain

```
Roll no.-230889
MATLAB CODE:-
R1=10; R2=linspace(R1,100,1000);
K=2000;
H=45;
L=20;
T1=100;
TINF=10;
Delt=T1-TINF;
R=@(t) (log(t/R1)/(2*pi*K*L))+(1/(H*2*pi*t*L));
Q=@(x) Delt/(R(x))
for i=1:1000
S(i) = Q(R2(i));
End
plot(R2,S)
xlabel('Radius of insulation');
ylabel('heat transfer');
title("HEAT TRANSFER VERSUS INSULATION RADII")
```

PLOT

