Enf no-1	9 BEE0032
Pate - 24/07/2020	Fladi Mahajan
Aim -> Resign of inverting an amplifier using Op - Amp	rd non-inverting
Afoforatus required ->	
Name of item Specification Op-amp 16741 [1M741] Resistor 1 R D Voltage sources $DC o 15V$ $AC o amp o 1$ $J_T o 50$	4
Siruit diagram → R	
Voin 2 Voc +15V	

3 + VEF-15V

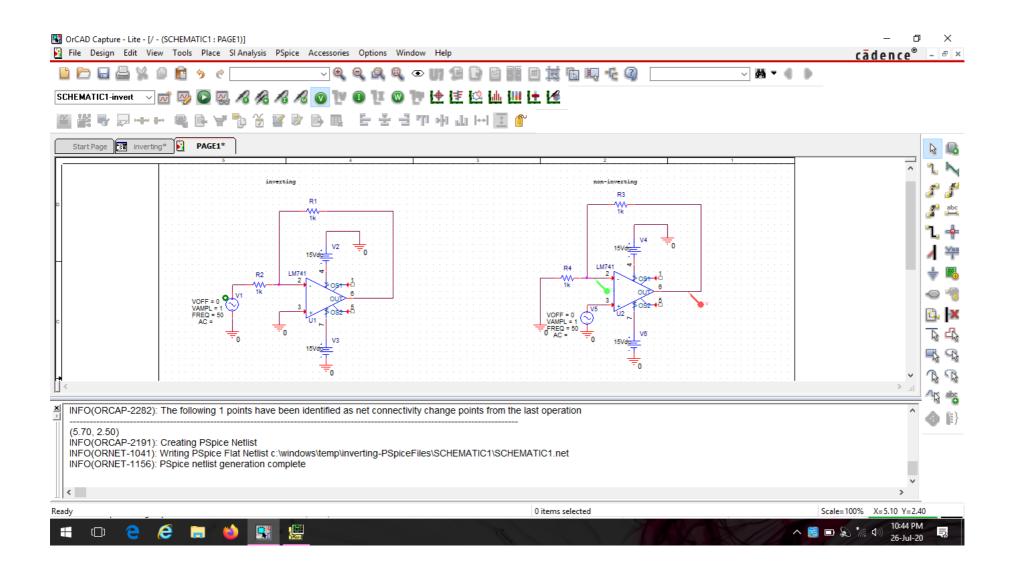
Vo = - R& Vi These shift between input and output = 180-Model graph ->

$$V_o = (1 + R_f) V_i$$

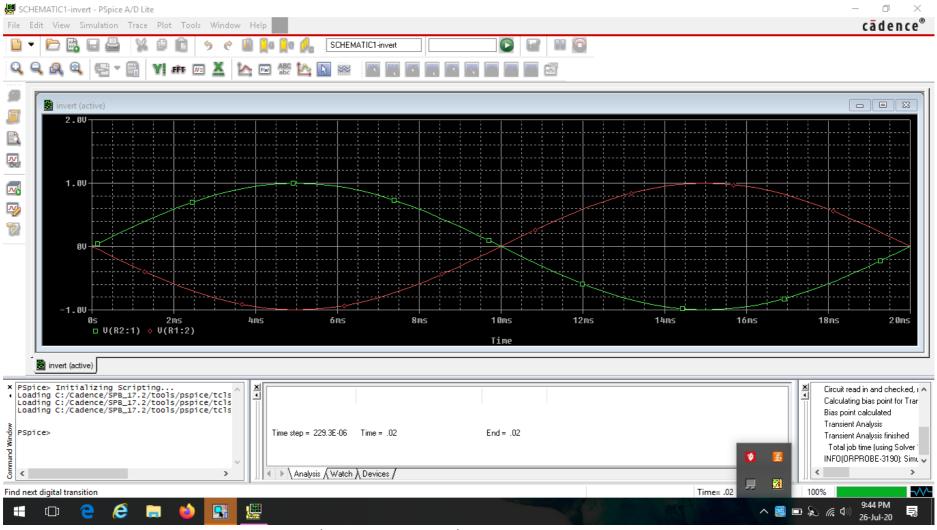
Chase difference between infent and outfaut = 0.
Model graph

Vi tms Volto J tms

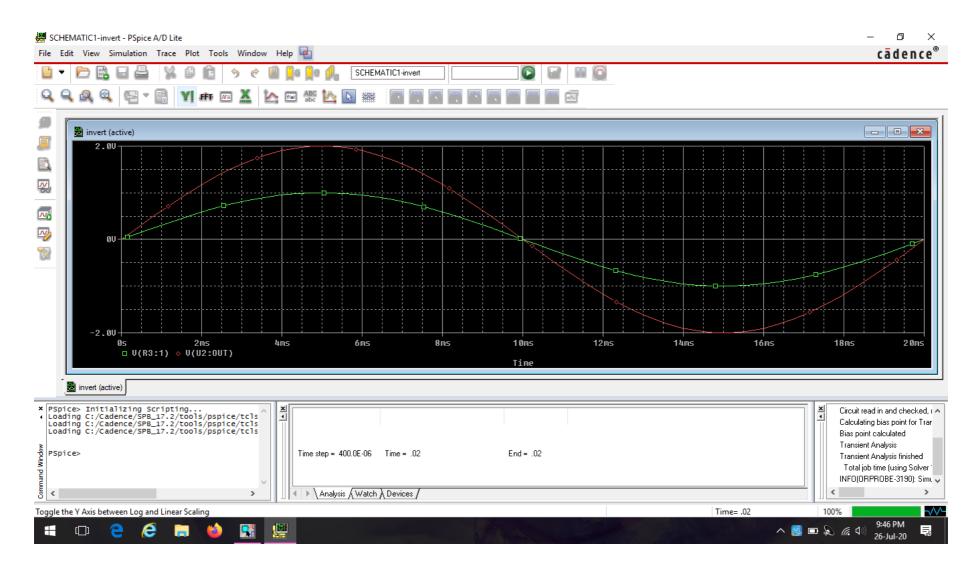
Simulation diagram:-



Graph:-



(INVERTING AMPLIFIER)



(NON INVERTING AMPLIFIER)

Result - The output of inverting amplifier that a phase shift of 180 with no inverse in smplitude while of non-inverting has a phase shift of o with an inverse of amplitude of RS/R.

Inference > If Rg= 0 in non-inverting it becomes voltag follower, i.e. amplitude invaise is 0.