## Assignment-3

- 1) Derive Euleis equation
- 2) Prove that the geodisic or a plene ure Straight likes
- 3) Solve ut=Uma Subject to the condition u(0,t)=0 u(1,t)=0, u(x,0)=sintal octco-1 by terriph=0.2 and by applying Benchre Schnidt explicit formula. have find u(0.2,0.04) f u(0.6,0.06)
- Squere mesh with boundary values as shown without you Use Liebanen's method for 2nd f 3rd Herallar.

