* Assignment* -7.7

Aim:-

open &L and Animation.

write a ctt program to simulate any
of the following scenario.

ax dock with pendulum.

Theory :-

open al Basics:

open araphics Library (open all is a cross language (language independent), cross, platform (platform independent) HPI for rendering 20 < soverdor graphics (use of polygons to represent image). Open alisa low - lend, widely supported modeling & rendering Software package, available across all platform, It can be used in a range of graphics application, but as games. (An design or modeling, open al API is design mostly in hardware.

feautures:

(Design

@ Associated librarily

3 Implementation

(4) Development.

Install atton on Ubunts:

Needed libraries:

Q core open ar (ar):

@ open al wility (alu):

6) open al Wilitia Toolkit (alut) =

presequisity for open (x):

Since open al is a graphics API and a plator mojits own, it requires a language tooperate in the language of choice is (#.

open bet order of operation:

- Construct shapes.

- Use open GL to

O Arrange Shape in 30

@ select your vantage point.

(3) Calculate Color & texture properties of each object.

(a) Convert shapes into pixel on screen

open al syntax:-

- All function have the form - 914 e.g. gluestex gf()-

B- means i it takes 3 arguments

- All variable have the form & L e.g. alflood Gel link

open GL primitivg!

Drawing two ling. 9L Begin (GLLINES).

9L voitex 3+ (-1-1-); "stoot pt of line 1



91 vertex 3f (-1-1-); "end pt of line?

91 vertex 3f (-1-1-); "start pt of line?

91 vertex 3f (-1-1-); "end pt of line?

91. End;

Developa - Osiver Advantages.

(Industry Standard

2 Stable

6) Reliable & postable

& Evolving

6 scalable

6 Casy to use

@ well-downerted

Condusion!

In this way, we have studied and implemented open Gil to make a scence of a dock with pendulum.