

Assignment 7: Transformation

1. Write a program to rotate a point against a pivot point. Initial position of the point and the pivot are given by the users.
2. Write a program to continuously rotate the dinosaur (Fig. of Assignment 6) about a pivot point. Small angles are to be used for each successive rotation, and approximations to the sine and cosine functions are to be used to speed up the calculations.
3. Write a program to get the mirror image of letter क (Letter of Assignment 6). Show both the forms of the letter – the original letter and the mirror image.
4. Write a program to move the dinosaur in a direction. The movement is to be as much realistic as possible.