```
ASSIGNMENT-13
1. Write a c Program to calculate odd and even parity for a
   Character
  # include (state.h)
  int calculate odd Parity (unstyned that data) {
        int parity 2 0;
        Ar (Int 120; 1 < 8; 1++)
             party 12 (dam & (1<<i)) >> i;
        return parity;
  int calculate of Even Parity (unsigned char data) of
        int parity 21;
        by (mt20;1(8; 1++) &
             parity ^2 (data & (1 (<i)) >5);
        return parity;
  int man () 1
        unsigned Char imputData;
         print f ("Enter a charcter: ");
         scanf (" 1.c", & input Data);
        print ("Binary representation:");
         An (int 127; 1>=0; 1--)
               printf ("1/d", (inputData >>i) k1);
         int oddPanty 2 Calculate Odd Parity (input Data);
         prints (" Remember representation " I node Parity Bit: Yed In", oddlanly);
         int even Panty 2 calculate Even Parity (input Data);
         print f (" Even Parity Bit: 1/2/(n", Even Parity);
         return 0;
```

## Aupub:

Enter a charador ! A
Binary representation! 01000001

Odd Parity Bit! O

Even Parity Bit! I

Springs