> # include < stdio. h> # include < math. h > [Operator: ?:a'] int a, b; Scarf ("/d, 1/d", & a & b); int max = a > b? a: b; ? Prints ("/·d", max); 9) A cashier has urrency notes of denominations 1, 2, 5, 10, 50 & 100. If the amount to be withdraw -n is input through the keyboard. Find the total number of currency notes of each denomination the cashier will have to give to the withdrawer (only integer amount). # include & stdio. h > # include (math. h > int amt;

int hund = amt /100; amt = amt % 100; int fif = amt /50; ant = ant 1/50: int ten = ant 110; amt = amt % 10; int five = amt 15; amt = amt 1/5; int two = amt /2; amt = amt 1. 2; int one = amt 1; cunt - amt print ("Hundered = 1/d", hund); print ("fifty = 7 d", fif);
print ("ten = 1 d", ten); prints (" five = 1/d", five); prints (" two = 1/d", two); prints (" one = 1-d," one).

9) write a c prym to find kth bit of a number.

Interview F_{χ} : $N = 25 \Rightarrow K = 2$ output; 2nd pit is 0 (Reset) Masking: De make those bits as Zero which are not asked. k th bit 2 nd number 2 number 2 nd number 3 nd number 3 nd number 3 nd number=) 2nd number = pour (2, K) = a =) ges = N&a; Mote: pow function gives answer in double datatype, bitrise operators cannot be applied i) res = N& Cint) pour (2, K); Here the value given by power function is Converted into int (Type casting) abo ijy=2<<< k =) y = 2 x 2 k =) y = 1 << k; nes = N& (1<<k); // 1×2k// Fg: 1 1 0 0 1 1 1 0 0 1 8 0 0 1 0 0 8 0 1 0 0 0 00000=) Reset 01

```
if res = = 0, reset;
     if res! = 0, Set;

Code: res = = 0? printf ("Peset"); printf ("Set");
      # include < stdio. h >
       # include < math. h >
      int N, K;
Scarf (1/1.d. 1.d., & N & K);
      96s = N & & (ist) pow (2, k);
     prints ("kth bit = % d", res);

res = = 0? prints ("Peret"); prints ("Set");
     Note: 0111 1110

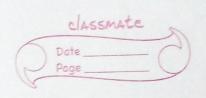
4bits 4bits 1 byte = 8bits

nibble nibble 4bits = 1 nibble
    Getting last 4 bits of a byte

N = 0 1 1 1 1 0 0 1

2nd = 0 0 0 0 1 1 1 1

0 0 0 0 1 0 0 1
9) Read convertion Hexadermal to binary &
     binary to Hexaderimal (Ram structure)
```



#) INF; (infinity); $Eg: \frac{1.0}{0} = INF$

*) NAN; (Not a numba)? If we give -ve input a syst function, then some compilers will give NAN as the answer Eq: V-1 = NAN

*) Reading a character:

Scanf Pado input Buffer Type Keyboard

Ascii value of \n = 10. Eg: int main () { inta; chas c; Scanf ("/d" &a); Scanf ("/*c"/-c", &c);}

=> 1/2 :- It means read a character and do not Store in any variable. It is used to remove In It or a space from the input Buffer Write 1. *C when the we are reading character not for the 1st time Similarly we have 1. *d: It means read an integer & do not store.