**PROGRAM TO CHECK THE NUMBER OF**

**BEDS IN A HOSPITAL**

***DESCRIPTION:***

In India ,one of the main problem is the lack of beds in the hospital .Due to lack of beds the patients are need to stay and treated in the hospital balcony’s. To overcome this problem this coding is used .By using this coding we can check the number of beds, number of beds filled and number of available beds in every hospital in and around the state/district .By checking, the patients can be properly shifted to another hospital which has sufficient number of beds. Therefore the patients can be safely shifted to another hospital and treated properly.

***ALGORITHM:***

*STEP 1:* Start.

*STEP2:* Using for loop, read the hospital name ,number of

beds in the hospital, number of beds filled.

*STEP3:*Calculate the number of wards available.

a[i]=t[i]-m[i];

*STEP4:*Read the beds needed in another hospital.

*STEP5:*Check the while condition

a[i]<=r;

*STEP6:*Based on the condition ,output is displayed

*STEP7:*Stop

***Project:***

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

int main()

{

int i,maxwards[100],a[100],r,k,temp;

int wf[100];

char name[100][100];

//printf("enter the no of hospitals");

//scanf("%d",&n);

for(i=0;i<=4;i++)

{

printf("enter the hospital name\n");

scanf("%s",&name[i]); // give hospital name without space

//scanf("%[^\n]", &name[i]);

//fgets(name[i],16,stdin);

//gets(&name[i]);

printf("enter the no of max wards\n");

scanf("%d",&maxwards[i]);//number of max wards in the hospital

printf("enter the wards filled\n");

scanf("%d",&wf[i]);// number of wards filled

a[i]=t[i]-m[i];

printf("available wards %d\n",a[i]);//number of available wards

}

printf("no of wards needed\n");

scanf("%d",&r);

for(i=0;i<=4;i++)

{

while(a[i]>=r)

{

k=i;

switch(k)

{

case 0:

{

printf("%s",name[0]);//to display the name

a[0]=a[0]+r;

r=0;

break;

}

case 1:

{

printf("%s",name[1]);

a[1]=a[1]+r;

r=0;

break;

}

case 2:

{

printf("%s",name[2]);

a[2]=a[2]+r;

r=0;

break;

}

case 3:

{

printf("%s",name[3]);

a[3]=a[3]+r;

r=0;

break;

}

case 4:

{

printf("%s",name[4]);

a[4]=a[4]+r;

r=0;

break;

}

}

if(r==0)

exit(0);

}

}

return 0;

//getch();

}

***Output:***

enter the hospital name

governmenthospital

enter the no of max wards

43

enter the wards filled

40

available wards 3

enter the hospital name

royapethospital

enter the no of max wards

47

enter the wards filled

40

available wards 7

enter the hospital name

rajivgandhihospital

enter the no of max wards

57

enter the wards filled

50

available wards 7

enter the hospital name

simshospital

52

enter the wards filled

47

available wards 5

enter the hospital name

apollohospital

enter the no of max wards

45

enter the wards filled

37

available wards 8

no of wards needed

5

Royapet hospital

//go to royapet hospital it has a sufficient beds

***“The Focus of***

*entertaining*

***is impressing others;***

***The focus of***

true hospitality

***is serving others”***