

HOSPITAL MANAGEMENT **SYSTEM**

BRIEF INTRODUCTION OF PROJECT...

The main objective of this python project of Hospital management system is to manage the details of appointment, health report and billing of the patients, and information of working staff and doctors.

The project is totally built at administrative end and only administrator is guaranteed the access.

The purpose of the project is to build an application program to reduce the manual work for managing the patient health records, their appointment forms, and details regarding their payments and bills.

It tracks all the details about the doctors, working staff and the nurse working in the hospital. It can also print various reports as per input given by the user.

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SOFTWARE AND HARDWARE REQUIREMENTS:

Mysql connector library-It is a library which helps us to create interface between Mysql and Python . This library provides connectivity functionality which helps to connect to a database from within python script. This functionality has been used in this project for linking the database and tables with python.

Before using this program make sure that mysql connector is installed in your system.

Data file handling : Data file handling has been effectively used in the program. We have created a text file name mysql tables.txt .This text file contains Mysql commands to create the whole database, tables and information to be put in the tables. This file has been called in python program, then its contents are read and then all these read contents are executed one by one with help of execute() function in mysql connector library, and thus create the database and its tables.

DBMS(DATA BASE MANAGEMENT SYSTEM): The software required for the management of data and databases is called as DBMS.

CHARACTERISTICS OF DBMS:

- It reduces the redundancy
- Reduction of data in inconsistency

RELATIONAL MODEL: In relational model the data is arranged in the form of rows and columns .Relation is the table which consists of these rows and columns. The rows of the table are called tuple and the columns of the table are called attribute. Numbers of rows in the table is called as cardinality. Number of columns in the table is called as degree.

This concept of relational model has been used in the project.

RDBMS(RELATIONAL DATA BASE MANAGEMENT SYSTEM)-

Mysql as Relational database management system has been used in this project

PREFACE

It is a great opportunity for me to hand this project to my teacher and to anyone who is viewing this project. As we are progressing in this digital age it becomes really important to automate things, which makes our work faster, easier and more flexible. Thus, my project based on Hospital management system focuses on this issue. This project tries to digitalize the working in hospital by creating a program based on management of databases and information related to patients and the working staff.

This program has been made with the help of python as the programming language and MYSQL (RDBMS) for database management. Functions like entering patients form, creating their health report and making their bills have been included. Information related to patients as well as the working staff, nurses and doctors have been stored in the MYSQL. Task related to editing and deleting of records of staff and patient has been also included. At the end there is also an option to get to know about the total revenue earned by the hospital. This program is very user friendly, which helps in proper working and implementations of commands and operations. Overall, this project can make all the procedures and works in hospital faster, smoother and more efficient.

TABLE STRUCTURES /COLUMN NAME

MY SQL TABLES(STRUCTURES):

Five tables have been created namely:

- a) APPOINTMENT_FORM
- b) BILL
- c)HEALTH_REPORT
- d)PATIENT_FORM
- e) STAFF_ENTRY

The structures of the tables are as follows:

1) APPOINTMENT_FORM

Column names:

PATIENT_ID, PATIENT_NAME, TIME, DATE, ADVANCED_PAYMENT

Field	Type	Null	Key	Default	Extra
PATIENT_ID	varchar(9)	NO	PRI	NULL	
PATIENT_NAME	varchar(30)	YES		NULL	
TIME	varchar(8)	YES		NULL	
DATE	date	YES		NULL	
ADVANCED_PAYMENT	bigint	YES		NULL	

2)BILL

*Column names: PATIENT_ID,PATIENT_NAME,PHONE_NO , ROOM_NO
DOCTOR_ASSIGNED, NURSE_ASSIGNED, MEDICINES,
COST_OF_MEDICINES, CONSULTATION_CHARGE MODE_OF_PAYMENT*

Field	Type	Null	Key	Default	Extra
PATIENT_ID	varchar(10)	NO	PRI	NULL	
PATIENT_NAME	varchar(30)	YES		NULL	
PHONE_NO	bigint	YES		NULL	
ROOM_NO	varchar(10)	YES		NULL	
DOCTOR_ASSIGNED	varchar(20)	YES		NULL	
NURSE_ASSIGNED	varchar(20)	YES		NULL	
MEDICINES	varchar(60)	YES		NULL	
COST_OF_MEDICINES	bigint	YES		NULL	
CONSULTATION_CHARGE	bigint	YES		NULL	
MODE_OF_PAYMENT	varchar(20)	YES		NULL	

3)HEALTH_REPORT

*Column names: PATIENT_ID PATIENT_NAME BLOOD_GROUP AGE
DOCTOR_ASSIGNED SYMPTOMS,BLOOD_PRESSURE,
ROOM_ALLOTTED,NEXT_APPOINTMENT MEDICINES*

Field	Type	Null	Key	Default	Extra
PATIENT_ID	varchar(9)	NO	PRI	NULL	
PATIENT_NAME	varchar(30)	YES		NULL	
BLOOD_GROUP	varchar(4)	YES		NULL	
AGE	int	YES		NULL	
DOCTOR_ASSIGNED	varchar(30)	YES		NULL	
SYMPTOMS	varchar(60)	YES		NULL	
BLOOD_PRESSURE	varchar(15)	YES		NULL	
ROOM_ALLOTTED	varchar(5)	YES		NULL	
NEXT_APPOINTMENT	date	YES		NULL	
MEDICINES	varchar(60)	YES		NULL	

4)PATIENT_FORM

Columns names:

*PATIENT_ID,PATIENT_NAME,PHONE_NO ,ADDRESS EMAIL_ID ,AGE
GENDER,BLOOD_GROUP, WEIGHT_IN_KG,HEIGHT_IN_CM,
HEALTH_INSURANCE*

Field	Type	Null	Key	Default	Extra
PATIENT_ID	varchar(10)	NO	PRI	NULL	
PATIENT_NAME	varchar(30)	YES		NULL	
PHONE_NO	bigint	YES		NULL	
ADDRESS	varchar(100)	YES		NULL	
EMAIL_ID	varchar(30)	YES		NULL	
AGE	int	YES		NULL	
GENDER	varchar(1)	YES		NULL	
BLOOD_GROUP	varchar(5)	YES		NULL	
WEIGHT_IN_KG	int	YES		NULL	
HEIGHT_IN_CM	int	YES		NULL	
HEALTH_INSURANCE	varchar(3)	YES		NULL	

5)STAFF_ENTRY

Column names:

STAFF_ID,STAFF_NAME,POSITION,CONTACT_NO
ADDRESS,EMAIL

Field	Type	Null	Key	Default	Extra
STAFF_ID	varchar(8)	NO	PRI	NULL	
STAFF_NAME	varchar(50)	YES		NULL	
POSITION	varchar(20)	YES		NULL	
CONTACT_NO	bigint	YES		NULL	
ADDRESS	varchar(50)	YES		NULL	
EMAIL	varchar(30)	YES		NULL	

Records stored in the tables:

1)APPOINTMENT_FORM

PATIENT_ID	PATIENT_NAME	TIME	DATE	ADVANCED_PAYMENT
PAT-1013	MR.RAJESH DIXIT	08:40:53	2020-12-12	1000
PAT-1034	MR.PRAMOD DAS	10:34:12	2020-10-16	400
PAT-1134	MRS.ANJALI MEHTA	13:38:05	2020-12-20	3500
PAT-1142	MRS.M.PILLAI	17:29:23	2020-12-31	400
PAT-1341	MRS.SHREYA SINGH	11:10:34	2020-09-25	2000
PAT-1432	MRS.ANUPRIYA PATEL	09:56:08	2020-11-14	3000
PAT-1540	MR.TAMSI JAIN	14:56:10	2020-10-10	6000
PAT-1689	MR.RAMANAND KANNA	12:34:45	2020-05-16	600
PAT-1708	MRS.RANI BHARADWAJ	09:52:12	2020-08-19	200
PAT-1987	MR.RAM KUMAR DESHMUKH	12:10:56	2020-04-16	700

2)BILL(BOTH IMAGES ARE PART OF SAME TABLE)

PATIENT_ID	PATIENT_NAME	PHONE_NO	ROOM_NO	DOCTOR_ASSIGNED	NURSE_ASSIGNED
PAT-1013	MR.RAJESH DIXIT	7984456121	B-74	DR.NARESH SHARMA	MS.KAMLA RANI
PAT-1034	MR.PRAMOD DAS	8879846612	C-16	DR.ZIWAN ALI	MS.KAMLA RANI
PAT-1134	MRS.ANJALI MEHTA	6466784452	W-74	DR.RASHI ARORA	MS.SANIYA AGRAWAL
PAT-1341	MRS.SHREYA SINGH	8879412345	P-19	DR.JAYESH KHANNA	MS.SANIYA AGRAWAL
PAT-1432	MRS.ANUPRIYA PATEL	9879974561	A-56	DR.PRIYA SONI	MS.PRIYA TIWARI
PAT-1442	MR.M. PILLAI	7884466798	M-42	DR.MUKESH MEHTA	MS.PRIYA TIWARI
PAT-1540	MRS.TAMSI JAIN	6334019573	G-64	DR.SUNDARWAN CHAWDA	MS.PRIYA TIWARI
PAT-1689	MR.RAMANAND KANNA	9827357692	B-45	DR.RAMESH GUPTA	MS.PRIYA TIWARI
PAT-1708	MRS.RANI BHARADWAJ	6262164209	W-64	DR.ABDUL KHAN	MS.SANIYA AGRAWAL
PAT-1987	MR.RAM KUMAR DESHMUKH	9994671164	D-67	DR.ANANYA RAJPUT	MS.KAMLA RANI

MEDICINES	COST_OF_MEDICINES	CONSULTATION_CHARGE	MODE_OF_PAYMENT
AMOXYCLLIN,PARACYTAMAL,DIPHENHYDRAMINE	536	500	CREDIT CARD
EMPHISEMA,PLACEBO	255	500	CHEQUE
ASPIRINE,ACITAMINOPHEN,IBUPROFEN	808	500	UPI
EMPHISEMA,PLACEBO	400	500	EWALLETS
ANTI HISTAMINE,PHENYLEPHRINE,CORICIDIN	625	500	DEBIT CARD
ASPIRINE,ACITAMINOPHEN,IBUPROFEN	390	500	NET BANKING
CAOPECTATE,ANTIBIOTIC	289	500	UPI
PARACYTAMAL,CORICIDINE,LOPERAMIDE,CAOPECTATE	1007	500	CREDIT CARD
EMPHISEMA,LOPERAMIDE	587	500	NET BANKING
IBUPROFEN,ASPIRINE	865	500	DEBIT CARD

3)HEALTH_REPORT(BOTH IMAGES ARE PART OF SAME TABLE)

PATIENT_ID	PATIENT_NAME	BLOOD_GROUP	AGE	DOCTOR_ASSIGNED	SYMPTOMS
PAT-1013	MR.RAJESH DIXIT	B+	70	DR NARESH SHARMA	FEVER
PAT-1034	MR.PRAMOD DAS	AB-	48	DR ZIWAN ALI	CONJUCTIVITIS
PAT-1134	MRS.ANJALI MEHTA	A+	26	DR RASHI ARORA	FEVER
PAT-1341	MRS.SHREYA SINGH	AB+	33	DR JAYESH KHANNA	FRACTURE
PAT-1432	MRS.ANUPRIYA PATEL	O-	40	DR PRIYA SONI	COVID-19
PAT-1442	M.PILLAI	O+	18	DR MUKESH MEHTA	COUGH AND COLD
PAT-1540	MR.TAMSI JAIN	AB+	28	DR.SUNDARWAN CHAWDA	ORAL CANCER
PAT-1689	MR.RAMANAND KANNA	A+	47	DR.RAMESH GUPTA	SKIN-CANCER
PAT-1708	MRS.RANI BHARADWAJ	O-	32	DR. ABDUL KHAN	COVID-19
PAT-1987	MR.RAM KUMAR DESHMUKH	O+	44	DR.ANANYA RAJPUT	HAMMORAGE

BLOOD_PRESSURE	ROOM_ALLOTTED	NEXT_APPOINTMENT	MEDICINES
120/80mmHg	B-74	2020-12-21	AMOXCYLLIN, PARACYTAMAL, DIPHENHYDRAMINE
100/80mmHg	C-16	2020-12-12	ANTIBIOTIC, ASPIRIN
120/80mmHg	W-74	2020-12-01	ASPIRINE, ACITAMINOPHEN, IBUPROFEN
120/80mmHg	P-19	2020-11-28	PARACYTAMAL, CORICIDINE, LOPERAMIDE, CAOPECTATE
140/100mmHg	A-56	2020-11-30	ANTI HISTAMINE, PHENYLEPHRINE, CORICIDIN
120/80mmHg	M-42	2020-12-10	EMPHISEMA, PLACEBO
110/60mmHg	G-64	2020-11-19	CAOPECTATE, ANTIBIOTIC
130/100mmHg	B-45	2020-12-28	PHENYLEPHRINE, PLACEBO
120/80mmHg	W-64	2020-11-18	EMPHISEMA, LOPERAMIDE
120/80mmHg	D-67	2020-12-12	IBUPROFEN, ASPIRINE

4)PATIENT_FORM(BOTH IMAGES ARE PART OF SAME TABLE,SEE NEXT PAGE FOR ITS OTHER COLUMN)

PATIENT_ID	PATIENT_NAME	PHONE_NO	ADDRESS	EMAIL_ID
PAT-1013	MR.RAJESH DIXIT	7984456121	STREET-10 SECTOR-1 BHILAI ,CHATTISHGARH	rajeshdixit1976@gmail.com
PAT-1034	MR.PRAMOD DAS	8879846612	HOUSE NO-643 SHYAMA PLAZA NEAR BUS STAND DURG	daspramod132@gmail.com
PAT-1134	MRS.ANJALI MEHTA	6466784452	231/74 ROSE BLOCK TALPURI BLOCK -2 BHILAI	ANJALIMEHTA1786@gmail.com
PAT-1341	MRS.SHREYA SINGH	8879412345	HOUSE 14 STREET 7 SECTOR 5 BHILAI	shreyasingh@gmail.com
PAT-1432	MRS.ANUPRIYA PATEL	9879974561	123/22 NEHRU PALACE NEHRU NAGAR BHILAI	anupriyaa1245@gmail.com
PAT-1442	MR.M. PILLAI	7884466798	F BLOCK- SURYA SOCIETY MAITRI NAGAR BHILAI	mpillai172@gmail.com
PAT-1540	MRS.TAMSI JAIN	6334019573	HOUSE_NO.11,STREET-5,HANUMAN NAGAR,DURG	tamsijain78gmail.com
PAT-1689	MR.RAMANAND KANNA	9827357692	MIG-1,HOUSE_NO.267,HUDCO,BHILAI	12ramanandkanna@gmail.com
PAT-1708	MRS.RANI BHARADWAJ	6262164209	D-WING,HOUSE_NO.76,DAKSHIN GANGOTRI,SUPELA BHILAI	ranibharadwajgmail.com
PAT-1987	MR.RAM KUMAR DESHMUKH	9994671164	HOUSE_NO.267,HUDCO,BHILAI	deshmukhramkumargmail.com

AGE	GENDER	BLOOD_GROUP	WEIGHT_IN_KG	HEIGHT_IN_CM	HEALTH_INSURANCE
70	M	B+	70	175	YES
48	M	AB-	82	175	NO
26	F	A+	55	160	YES
33	F	AB+	62	158	YES
40	F	O-	64	168	NO
37	M	O+	79	172	YES
28	F	AB+	61	154	YES
47	M	A+	87	163	YES
32	F	O-	60	155	NO
44	M	O+	90	190	YES

5)STAFF_ENTRY

STAFF_ID	STAFF_NAME	POSITION	CONTACT_NO	ADDRESS	EMAIL
DOC-1041	DR.NARESH SHARMA	ENT-SPECIALIST	7182144179	321,TALPURI BLOCK-B,BHILAI	NARESH@GMAIL.COM
DOC-1042	DR PRIYA SONI	CARDIOLOGIST	8212217934	QTR-41,STREET-7,SECTOR-10,BHILAI	PRIYA121@GMAIL.COM
DOC-1043	DR RASHI ARORA	ENT-SPECIALIST	9212124113	FLAT-101 R.V NAGAR BHILAI	RASHI@YAHOO.COM
DOC-1044	DR MUKESH MEHTA	PEDIATRICIAN	6261214892	QTR-521 MAITREE NAGAR BHILAI	MUKESH127@YAHOO.COM
DOC-1045	DR ZIWAN ALI	OPHTHALMOLOGIST	7119218371	FLAT-620 MODERN-SOCIETY DURG	ZIWAN341@GMAIL.COM
DOC-1046	DR JAYESH KHANNA	ORTHOPAEDIC	8279139421	QTR-121 STREET-6 SECTOR-9 BHILAI	JAY@GMAIL.COM
DOC-1047	DR RAMESH GUPTA	DERMATOLOGIST	9876543421	QTR 121 STREET-5 SECTOR-7 BHILAI	RAMESH@GMAIL.COM
DOC-1048	DR ANANYA RAJPUT	NEUROLOGIST	9291876111	720 TALPURI-BLOCK-B BHILAI	ANANYARAJ@GMAIL.COM
DOC-1049	DR ABDUL KHAN	CARDIOLOGIST	6261113412	BUNGLOW-51 STREET-5 SECTOR-2 BHILAI	ABDUL@GMAIL.COM
DOC-1050	DR SUNDARWAN CHAWDA	DENTIST	8543176892	BUNGALOW-56 STREET-5 SECTOR-9 BHILAI	MUKESH127@YAHOO.COM
STA-1101	Ms.KAMLA RANI	NURSE	7894561230	STREET-6 SECTOR-10 BHILAI	KAMALA1980@YAHOO.COM
STA-1103	Ms.SANIYA AGRAWAL	NURSE	9784215460	DEER PARK BHILAI	SANIYA12@YAHOO.COM
STA-1109	Ms.PRIYA TIWARI	NURSE	8456123789	NEAR PATEL-MARG DURG	PRIYATI@YAHOO.COM
STA-1203	MR.BHUSHAN BAJAJ	PATHOLOGIST	7461237410	BUNGLOW-6 MAHESH NAGAR DURG	BHUSHAN645@GMAIL.COM
STA-1204	MR.ADARSH PATEL	COMPOUNDER	6006749789	QTR-5 MARUIT ZONE DURG	ADARSH145@YAHOO.COM
STA-1205	MR.MAYUR SINGH	CLINICAL-ASSISTANT	7291000741	STREET-5 SECTOR-8 BHILAI	MAYUR100@YAHOO.COM

MYSQL DATABASE INFO

DBMS: MySQL

Host: localhost

User: root

Passwd:It will be asked from user during program execution in python

Database: HOSPITAL_BHAGATSINGH

MAIN MENU

```
|          BHAGAT SINGH MEMORIAL HOSPITAL          |
|          SECTOR-5, NEAR AZAD MAIDAN              |
|          BHILAI, CHHATTISGARH                    |
```

```
      W   E   L   O   M   E
Please type the key corresponding to your need:
```

SNO-NO	ACTION	KEY
01	TO DISPLAY A RECORD	press 1
02	APPOINTMENT OF NEW PATIENT	press 2
03	CREATE HEALTH REPORT	press 3
04	TO FILL PATIENT FORM	press 4
05	ENTRY OF A NEW STAFF	press 5
06	MAKE A BILL	press 6
07	TO EDIT AN EXISTING RECORD	press 7
08	TO DELETE AN EXISTING RECORD	press 8
09	TOTAL REVENUE OF HOSPITAL	press 9
10	TO EXIT	press 10

```
WRITE THE CORRESPONDING KEY:|
```

1) SUB MENU:

```
RECORD/TABLE      | KEY
-----|-----
appointment_form-->1
bill----->2
health_report----->3
patient_form----->4
staff_entry----->5
```

OUTPUT SCREEN:

#NOTE- 1) "Y" means yes

2) "N" means No

3) "M" means Male

4) "F" means Female

#NOTE-2 1) The program starts by asking whether you want to load the databases or not. And asks to enter your

Mysql password. Then comes the main menu from where you can select options accordingly.

1) Enter MySQL connector password and

1.a) writing "N" to **NOT** Load the database in MYSQL

```
ENTER YOUR MYSQL PASSWORD,(PRESS ENTER IF NO PASSWORD):1234
#####
IF ALREADY ENTERED THE DATABASE IN YOUR SYSTEM PRESS 'N':

DO YOU WANT TO LOAD THE DATABASE AND THE TABLES(Y/N):N
```

1.b) Writing “Y” to load the databases and tables in MYSQL

```
ENTER YOUR MYSQL PASSWORD,(PRESS ENTER IF NO PASSWORD):1234
#####
IF ALREADY ENTERED THE DATABASE IN YOUR SYSTEM PRESS 'N':

DO YOU WANT TO LOAD THE DATABASE AND THE TABLES(Y/N):Y

L      O      A      D      I      N      G
_____
_____
_____
DATABASE AND TABLES SUCCESFULLY LOADED.....
_____
```

2)Main Menu:

```
|          BHAGAT SINGH MEMORIAL HOSPITAL          |
|          SECTOR-5,NEAR AZAD MAIDAN              |
|          BHILAI,CHHATTISGARH                    |
|_____|
|
|          W   E   L   O   M   E
|
|  Please type the key corresponding to your need:
|
|_____|
|SNO-NO | ACTION                                     | KEY |
|01      | TO DISPLAY A RECORD                          |press 1|
|02      | APPOINTMENT OF NEW PATIENT                   |press 2|
|03      | CREATE HEALTH REPORT                        |press 3|
|04      | TO FILL PATIENT FORM                       |press 4|
|05      | ENTRY OF A NEW STAFF                       |press 5|
|06      | MAKE A BILL                               |press 6|
|07      | TO EDIT AN EXISTING RECORD                  |press 7|
|08      | TO DELETE AN EXISTING RECORD                |press 8|
|09      | TOTAL REVENUE OF HOSPITAL                   |press 9|
|10      | TO EXIT                                    |press 10|
|_____|
|
|WRITE THE CORRESPONDING KEY:|
```

3)Selecting option TO DISPLAY A RECORD(i.e press 1)

3.A) SUBMENU:

```
WRITE THE CORRESPONDING KEY:1
PLEASE TYPE THE KEY CORRESPONDING TO THE RECORD
FROM THE FOLLOWING MENU
|_____|
|RECORD/TABLE | KEY |
|_____|
|appointment_form----->1|
|bill----->2|
|health_report----->3|
|patient_form----->4|
|staff_entry----->5|
|_____|
|
|PLEASE ENTER THE CORRESPONDING KEY :|
```

3.B) selecting appointment_form (i.e appointment form of a patient to be displayed using the patient id)

PLEASE ENTER THE CORRESPONDING KEY :1

ENTER THE patient_ID: PAT-1013

BHAGAT SINGH MEMORIAL HOSPITAL SECTOR-5, NEAR AZAD MAIDAN BHILAI, CHHATTISGARH
--

APPOINTMENT_FORM

1) PATIENT_ID : PAT-1013

2) PATIENT_NAME : MR. RAJESH DIXIT

3) TIME : 08:40:53

4) DATE : 2020-12-12

5) ADVANCED_PAYMENT : 1000

PRESS 'N' IF YOU WANT TO EXIT AND 'Y' TO DO A NEW OPERATION:

DO YOU WANT TO GO TO THE MAIN MENU AND DO NEW OPERATION(Y/N):|

3 C)Selecting bill (i.e pressing 2 and displaying bill of a patient with corresponding)from the submenu:

PLEASE ENTER THE CORRESPONDING KEY :2

ENTER THE PATIENT_ID: PAT-1013

BHAGAT SINGH MEMORIAL HOSPITAL
SECTOR-5, NEAR AZAD MAIDAN
BHILAI, CHHATTISGARH

BILL

ID: PAT-1013

NAME: MR. RAJESH DIXIT

PHONE_NO: 7984456121

ROOM: B-74

DOCTOR: DR. NARESH SHARMA

NURSE: MS. KAMLA RANI

MODE OF PAYMENT: CREDIT CARD

SNO	HOSPITAL-CHARGES	COST(Rs)	TAX(5%)	TOTAL(Rs)
1	BASIC FEES	200	10	210
2	DOCTOR'S CONSULTATIONS AND OTHERS	500	0	500
3	EARLIER ADVANCED PAYMENTS MADE	1000	0	1000

TOTAL COST OF MEDICINES

1 AMOXYCLLIN, PARACYTAMAL, DIPHENHYDRAMINE ----->Rs 536

OVERALL COST(INCLUDING ADVANCED PAYMENT)----->Rs 2246

PAYMENT DUE(INCLUDES MEDICINE, BASIC FEES, CONSULTATION, OTHERS)----->Rs 1246

T H A N K Y O U !!!!!

PRESS 'N' IF YOU WANT TO EXIT AND 'Y' TO DO A NEW OPERATION:

DO YOU WANT TO GO TO THE MAIN MENU AND DO NEW OPERATION(Y/N):

3d) Selecting health_report (i.e pressing 3 to display health report of a patient) from the submenu:

PLEASE ENTER THE CORRESPONDING KEY :3

ENTER THE patient_ID: PAT-1013

BHAGAT SINGH MEMORIAL HOSPITAL
SECTOR-5, NEAR AZAD MAIDAN
BHILAI, CHHATTISGARH

HEALTH_REPORT

- 1) PATIENT_ID : PAT-1013
- 2) PATIENT_NAME : MR. RAJESH DIXIT
- 3) BLOOD_GROUP : B+
- 4) AGE : 70
- 5) DOCTOR_ASSIGNED : DR NASRESH SHARMA
- 6) SYMPTOMS : FEVER
- 7) BLOOD_PRESSURE : 120/80mmHg
- 8) ROOM_ALLOTTED : B-74
- 9) NEXT_APPOINTMENT : 2020-12-21
- 10) MEDICINES : AMOXYCLLIN, PARACETAMOL, DIPHENHYDRAMINE

3e) Selecting patient_form (i.e pressing 4 to display patient form)
from the submenu:

PLEASE ENTER THE CORRESPONDING KEY :4

ENTER THE patient_ID: PAT-1013

BHAGAT SINGH MEMORIAL HOSPITAL
SECTOR-5, NEAR AZAD MAIDAN
BHILAI, CHHATTISGARH

PATIENT_FORM

- | | | |
|------|--------------------|--|
| 1) | PATIENT_ID : | PAT-1013 |
| 2) | PATIENT_NAME : | MR. RAJESH DIXIT |
| 3) | PHONE_NO : | 7984456121 |
| 4) | ADDRESS : | STREET-10 SECTOR-1 BHILAI , CHHATTISGARH |
| 5) | EMAIL_ID : | rajeshdixit1976@gmail.com |
| 6) | AGE : | 70 |
| 7) | GENDER : | M |
| 8) | BLOOD_GROUP : | B+ |
| 9) | WEIGHT_IN_KG : | 70 |
| 10) | HEIGHT_IN_CM : | 175 |
| 11) | HEALTH_INSURANCE : | YES |
-

3 F) *Selecting the" staff_entry" from submenu* (i.e pressing 5 and displaying details about the working staff via their id)

```
PLEASE ENTER THE CORRESPONDING KEY :5
```

```
ENTER THE staff_ID:DOC-1041
```

```
|          BHAGAT SINGH MEMORIAL HOSPITAL          |
|          SECTOR-5,NEAR AZAD MAIDAN              |
|          BHILAI,CHHATTISGARH                    |
```

```
STAFF_ENTRY
```

```
1 ) STAFF_ID :  DOC-1041
2 ) STAFF_NAME :  DR.NARESH SHARMA
3 ) POSITION :   ENT-SPECIALIST
4 ) CONTACT_NO :  7182144179
5 ) ADDRESS :   321,TALPURI BLOCK-B,BHILAI
6 ) EMAIL :    NARESH@GMAIL.COM
```

4) SELECTING OPTION “ **APPOINTMENT OF NEW PATIENT**” (i.e press 2) FROM MAIN MENU

(#THIS OPTION IS USED TO ENTER APPOINTMENT DETAILS OF A PATIENT)

```
WRITE THE CORRESPONDING KEY:2
```

```
enter the value for PATIENT_ID:PAT-9999
```

```
enter the value for PATIENT_NAME:MR RAMESH GOYAL
```

```
enter the value for TIME:20:00:00
```

```
enter the value for DATE:2020-12-12
```

```
enter the value for ADVANCED_PAYMENT:3000
```

```
NEW ENTRY OF RECORD HAS BEEN DONE !!!!!!!!!!!
```

5) *SELECTING OPTION “**CREATE HEALTH REPORT**” FROM MAIN MENU (i.e press 3)*

USED TO CREATE HEALTH REPORT OF PATIENT

```
WRITE THE CORRESPONDING KEY:3
```

```
enter the value for PATIENT_ID: PAT-9999
```

```
enter the value for PATIENT_NAME: MR RAMESH GOYAL
```

```
enter the value for BLOOD_GROUP: O+
```

```
enter the value for AGE: 30
```

```
enter the value for DOCTOR_ASSIGNED: DR PRIYA SONI
```

```
enter the value for SYMPTOMS: FEVER
```

```
enter the value for BLOOD_PRESSURE: 120/80
```

```
enter the value for ROOM_ALLOCATED: G-10
```

```
enter the value for NEXT_APPOINTMENT: 2021-01-10
```

```
enter the value for MEDICINES: CROCIN, MAGADOL  
NEW ENTRY OF RECORD HAS BEEN DONE !!!!!!!!!
```

6) SELECTING OPTION “FILL PATIENT FORM” FROM MAIN MENU (i.e press 4)
#USED TO FILL FORM FOR PATIENT

```
WRITE THE CORRESPONDING KEY:4
```

```
enter the value for PATIENT_ID: PAT-9999
```

```
enter the value for PATIENT_NAME: MR RAMESH GOYAL
```

```
enter the value for PHONE_NO: 7418529639
```

```
enter the value for ADDRESS: QTR-350 STREET 5 SECTOR-9 BHILAI
```

```
enter the value for EMAIL_ID: ramesh123@gmail.com
```

```
enter the value for AGE: 30
```

```
enter the value for GENDER: M
```

```
enter the value for BLOOD_GROUP: O+
```

```
enter the value for WEIGHT_IN_KG: 70
```

```
enter the value for HEIGHT_IN_CM: 180
```

```
enter the value for HEALTH_INSURANCE: Y
```

```
NEW ENTRY OF RECORD HAS BEEN DONE !!!!!!!!!
```

7)SELECTING OPTION “ENTRY OF NEW STAFF” (i.e press 5)

USED TO PUT DETAILS OF WORKING STAFF/DOCTORS OF HOSPITAL

```
WRITE THE CORRESPONDING KEY:5
```

```
enter the value for STAFF_ID:DOC-1111
```

```
enter the value for STAFF_NAME:DR BHUSHAN SONI
```

```
enter the value for POSITION:DOCTOR
```

```
enter the value for CONTACT_NO:7994455663
```

```
enter the value for ADDRESS:313,MAITREE NAGAR BHILAI
```

```
enter the value for EMAIL:BHUSHAN456@GMAIL.COM
```

```
NEW ENTRY OF RECORD HAS BEEN DONE !!!!!!!!!
```

8) *SELECTING OPTION “MAKE A BILL”*

(i.e press 6)

NOTE:

USED TO MAKE BILL OF A PATIENT

**#BEFORE MAKING BILL, PATIENTS APPOINTMENT FORM
MUST BE FILLED IN ORDER TO KNOW HIS/HER ADVANCED
PAYMENT**

```
WRITE THE CORRESPONDING KEY:6
```

```
enter the value for PATIENT_ID:PAT-9999
```

```
enter the value for PATIENT_NAME:MR RAMESH GOYAL
```

```
enter the value for PHONE_NO:7418529639
```

```
enter the value for ROOM_NO:G-10
```

```
enter the value for DOCTOR_ASSIGNED:DR PRIYA SONI
```

```
enter the value for NURSE_ASSIGNED:Ms SANIYA AGRAWAL
```

```
enter the value for MEDICINES:CROCIN,MAGADOL
```

```
enter the value for COST_OF_MEDICINES:100
```

```
enter the value for CONSULTATION_CHARGE:500
```

```
enter the value for MODE_OF_PAYMENT:CASH
```

```
NEW ENTRY OF RECORD HAS BEEN DONE !!!!!!!!
```

9) *SELECTING OPTION”TO EDIT AN EXISSTING RECORD” (i.e press 7)*

#NOTE

USED TO EDIT ANY VALUE WHICH YOU WANT

#CAN BE SIMILARLY USED FOR OTHER TABLES AS WELL

#HERE APPOINTMENT_FORM TABLE IS CHOSEN

WRITE THE CORRESPONDING KEY:7

PLEASE TYPE THE KEY CORRESPONDING TO THE RECORD
FROM THE FOLLOWING MENU

RECORD/TABLE	KEY
appointment_form----->	1
bill----->	2
health_report----->	3
patient_form----->	4
staff_entry----->	5

PLEASE ENTER THE CORRESPONDING KEY :1

PATIENT_NAME
TIME
DATE
ADVANCED_PAYMENT

Enter columnname whose value you want to change : PATIENT_NAME

Enter the patient_id or the staff_id according to the chosen record: PAT-9999

Enter the value by which you want to replace : MR. HARSHAD MEHTA
RECORD HAS BEEN EDITED !!!!!!!!!

10) SELECTING OPTION " TO DELETE AN EXISTING RECORD"(i.e press 8)

#NOTE

IT IS USED TO DELETE WHOLE RECORD OF A PATIENT FROM A TABLE

HERE RECORD OF PATIENT IS DELETED FROM APPOINTMENT TABLE

CAN BE USED FOR OTHER TABLES AS WELL

WRITE THE CORRESPONDING KEY:8

PLEASE TYPE THE KEY CORRESPONDING TO THE RECORD
FROM THE FOLLOWING MENU

RECORD/TABLE	KEY
appointment_form----->	1
bill----->	2
health_report----->	3
patient_form----->	4
staff_entry----->	5

PLEASE ENTER THE CORRESPONDING KEY :1

IF YOU HAVE CHOSEN STAFF_ENTRY AS RECORD PLEASE TYPE STAFF_ID
AND
IF YOU HAVE CHOSEN ANY OTHER RECORD FROM PREVIOUS MENU TYPE PATIENT_ID

Enter the id for the record you want to delete: PAT-9999
RECORD CORRESPONDING TO GIVEN ID HAS BEEN DELETED !!!!!!!!

11) SELECTING OPTION " TOTAL REVENUE OF HOSPITAL" (i.e press 9)

#NOTE

USED TO SHOW THE TOTAL REVENUE/TAXES EARNED BY THE HOSPITAL

WRITE THE CORRESPONDING KEY:9

THE REVENUE AND TAXES

TAX COLLECTED IS 5% OF THE BASIC FEE COLLECTED FROM EACH PATIENT
BASIC FEES IS:RS 200
TOTAL PATIENTS ARE: 11
TAX PER PERSON IS:RS 10
TOTAL TAX COLLECTED IS :RS 110

THE REVENUE OF THE HOSPITAL IS :

TOTAL BASIC FEES COLLECTED(INCLUDES tax):RS 2200

WITHOUT TAX THE TOTAL BASIC FEES IS: 2090
TOTAL MONEY EARNED FROM MEDICINES/DOCTOR_CONSULTATIONS CHARGE/OTHERS:RS 29162

THE NET AMOUNT EARNED(WITHOUT TAX):RS 31252

12) *SELECTING OPTION “TO EXIT” (i.e press 10)*

#NOTE

IT IS USED TO EXIT FROM THE PROGRAM

#IT ENDS WITH A “THANK YOU” MESSAGE

```
|          BHAGAT SINGH MEMORIAL HOSPITAL          |
|          SECTOR-5,NEAR AZAD MAIDAN              |
|          BHILAI,CHHATTISGARH                    |
```

```
W   E   L   O   M   E
```

Please type the key corresponding to your need:

SNO-NO	ACTION	KEY
01	TO DISPLAY A RECORD	press 1
02	APPOINTMENT OF NEW PATIENT	press 2
03	CREATE HEALTH REPORT	press 3
04	TO FILL PATIENT FORM	press 4
05	ENTRY OF A NEW STAFF	press 5
06	MAKE A BILL	press 6
07	TO EDIT AN EXISTING RECORD	press 7
08	TO DELETE AN EXISTING RECORD	press 8
09	TOTAL REVENUE OF HOSPITAL	press 9
10	TO EXIT	press 10

WRITE THE CORRESPONDING KEY:10

```
      T   H   A   N   K           Y   O   U
FOR    USING    THE    HOSPITAL    MANAGEMENT    SYSTEM
```