PROGRAM FOR HOSPITAL MANAGEMENT SYSTEM:

```python
def insert():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    hospital_no=int(input("enetr the hospital number"))

    hospital_id=input("enter the hosptal id")

    email=input("enter the hospital email")

    phone_no=int(input("enetr the phne no"))

    address=input("enter the address")

    cursor=con.cursor()

    cursor.execute("insert into Hospital_star
values({},{},{},{},{})".format(hospital_no,hospital_id,email,phone_no,address))

    con.commit()

    result=cursor.rowcount

    if result>0:

        print("record added to the table")

    else:

        print("error")

    con.close()
insert()
```

```
+-------------+-------------+----------------+----------+---------------+----------------+
| hospital_no | hospital_id | email          | phone_no | address       | hospital_name  |
+-------------+-------------+----------------+----------+---------------+----------------+
|        1006 | ADPM        | star@gmail.com |    34562 | floating abode | star hospital:) |
+-------------+-------------+----------------+----------+---------------+----------------+
1 row in set (0.00 sec)
```

```python
def insert():
```

```python
    import mysql.connector as msql
    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")
    ward_no=int(input("enetr the ward number"))
    ward_id=input("enter the ward id")
    status=input("enter the status")
    bed_no=int(input("enetr the bed no"))
    cursor=con.cursor()
    cursor.execute("insert into ward
values({},{},{},{},{})".format(ward_no,ward_id,bed_no,status))
    con.commit()
    result=cursor.rowcount
    if result>0:
        print("record added to the table")
    else:
        print("error")
    con.close()
def modify():
    import mysql.connector as msql
    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")
    ward_no=int(input("enter the ward num"))
    print("1\ change the ward id")
    print("2\ change the bed no")
    print("3\ change the status")
    choice=int(input("enter your choice"))
    if choice==1:
        ward_id=input("enter the new ward id")
        cursor=con.cursor()
```

```python
        cursor.execute("update ward set ward_id='{}' where
ward_no={}".format(ward_id,ward_no))

    if choice==2:

        bed_no=int(input("enter the new bed number"))

        cursor=con.cursor()

        cursor.execute("update ward set bed_no='{}' where
ward_no={}".format(bed_no,ward_no))

    if choice==3:

        status=input("enter the new status")

        cursor=con.cursor()

        curspor.execute("update ward set status='{}' where ward_no={}".format(status,ward_no))
def delete():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    ward_no=int(input("enter the ward number"))

    cursor=con.cursor()

    cursor.execute("delete from ward where ward_no={}".format(ward_no))

    con.coommit()
def display():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    cursor=con.cursor()

    cursor.execute("select* from ward")

    data=cursor.fetchall()

    for row in data:

        print(row)

    con.close()
while True:
```

```python
print("1\t insert")

print("2\t modify")

print("3\ delete")

print("4\ display")

print("5\ exit")

choice=int(input("enetr your choice"))

if choice==1:

    insert()

if choice==2:

    modify()

if choice==3:

    delete()

if choice==4:

    display()

elif choice==5:

    break

else:

    print("invalid choice")
```

```
+----------+----------+----------+---------------------+
| ward_no  | ward_id  | bed_no   | status              |
+----------+----------+----------+---------------------+
|       21 | ad001    |       45 | available           |
|       22 | ad002    |       45 | available           |
|       23 | ad003    |       45 | occupied            |
|       24 | ad004    |       35 | occupied            |
|       25 | ad005    |       35 | occupied            |
|       26 | ad006    |       35 | partially occupied  |
|       27 | ad007    |       35 | partially occupied  |
|       28 | ad008    |       20 | partially occupied  |
|       29 | ad009    |       20 | partially occupied  |
|       30 | ad010    |       20 | occupied            |
+----------+----------+----------+---------------------+
10 rows in set (0.00 sec)
```

```python
def insert():
```

```python
    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    patient_no=int(input("enetr the patient number"))

    patient_id=input("enter the patient id")

    patient_name=input("enter the patient name")

    contact=int(input("enetr the contact no"))

    age=int(input("enter the age of the patient"))

    gender=input("enter the gender of the patient")

    illness=input("mention the illness of the patient")

    cursor=con.cursor()

    cursor.execute("insert into patient
values({},{},{},{},{})".format(patient_no,patient_id,patient_name,contact,age,gender,illness))

    con.commit()

    result=cursor.rowcount

    if result>0:

        print("record added to the table")

    else:

        print("error")

    con.close()
def modify():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    patient_no=int(input("enter the patient num"))

    print("1\ change the patient id")

    print("2\ change the patient name")

    print("3\ change the contact")

    print("4\ chnage the age")
```

```python
    print("5\ change the gender")

    print("6\ change the illness mentioned")

    choice=int(input("enter your choice"))

    if choice==1:

        patient_id=input("enter the new patient id")

        cursor=con.cursor()

        cursor.execute("update patient set patient_id='{}' where
patient_no={}".format(patient_id,patient_no))

    if choice==2:

        patient_name=input("enter the new name of the patient")

        cursor=con.cursor()

        cursor.execute("update patient set patient_name='{}' where
patient_no={}".format(patient_name,patient_no))

    if choice==3:

        contact=int(input("enter the new contact"))

        cursor=con.cursor()

        cursor.execute("update patient set contact='{}' where
patient_no={}".format(contact,patient_no))

    if choice==4:

        age=int(input("enter the new age"))

        cursor=con.cursor()

        cursor.execute("update patient set age ='{}' where patient_no={}".format(age,patient_no))

    if choice==5:

        gender=input("enter the new gender")

        cursor=con.cursor()

        cursor.execute("update patient set gender='{}' where
patient_no={}".format(gender,patient_no))

    if choice==6:
```

```python
        illness=input("mention the new illness")

        cursor=con.cursor

        cursor.execute("update patient set illness='{}' where
patient_no={}".format(illness,patirnt_no))
def delete():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    patient_no=int(input("enter the patient number"))

    cursor=con.cursor()

    cursor.execute("delete from patient where patient_no={}".format(patient_no))

    con.coommit()
def display():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    cursor=con.cursor()

    cursor.execute("select* from patient")

    data=cursor.fetchall()

    for row in data:

        print(row)

    con.close()
while True:

    print("1\t insert")

    print("2\t modify")

    print("3\ delete")

    print("4\ display")

    print("5\ exit")

    choice=int(input("enetr your choice"))
```

```python
    if choice==1:
        insert()
    if choice==2:
        modify()
    if choice==3:
        delete()
    if choice==4:
        display()
    elif choice==5:
        break
    else:
        print("invalid choice")
```

```
+-------------+-------------+--------------+---------+------+--------+----------------+
| patient_no  | patient_id  | patient_name | contact | age  | gender | illness        |
+-------------+-------------+--------------+---------+------+--------+----------------+
|          34 | fs34        | cara         |   34562 |   34 | f      | blood cancer   |
|          32 | fs32        | rhea         |   37562 |   37 | f      | heart cancer   |
|          33 | fs33        | rhast        |   37542 |   47 | m      | skin cancer    |
|          34 | fs34        | chrit        |   37592 |   67 | m      | lung infection |
|          35 | fs35        | mohammad     |   37232 |   61 | m      | coratoconus    |
|          36 | fs36        | ali          |   37452 |   51 | m      | night blindness|
|          37 | fs37        | rina         |   37562 |   56 | f      | ovarian cancer |
+-------------+-------------+--------------+---------+------+--------+----------------+
7 rows in set (0.00 sec)
```

```python
def insert():
    import mysql.connector as msql
    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")
    doctor_no=int(input("enetr the doctor number"))
    doctor_id=input("enter the doctor id")
    doctor_name=input("enter the doctor name")
    contact=input("enetr the contact no")
```

```python
        gender=input("enter the gender of the doctor")

        department=input("mention the department of doctor")

        cursor=con.cursor()

        cursor.execute("insert into doctor
values({},{},{},{},{})".format(doctor_no,doctor_id,doctor_name,contact,gender,department))

        con.commit()

        result=cursor.rowcount

        if result>0:

            print("record added to the table")

        else:

            print("error")

        con.close()

    def modify():

        import mysql.connector as msql

        con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

        doctor_no=int(input("enter the doctor num"))

        print("1\ change the doctor id")

        print("2\ change the doctor name")

        print("3\ change the contact")

        print("4\ change the gender")

        print("5\ change the department mentioned")

        choice=int(input("enter your choice"))

        if choice==1:

            doctor_id=input("enter the new doctor id")

            cursor=con.cursor()

            cursor.execute("update doctor set doctor_id='{}' where
doctor_no={}".format(doctor_id,doctor_no))

        if choice==2:
```

```python
        doctor_name=input("enter the new name of the doctor")

        cursor=con.cursor()

        cursor.execute("update doctor set doctor_name='{}' where
doctor_no={}".format(doctor_name,doctor_no))

    if choice==3:

        contact=input("enter the new contact")

        cursor=con.cursor()

        cursor.execute("update doctor set contact='{}' where
doctor_no={}".format(contact,doctor_no))

    if choice==4:

        gender=input("enter the new gender")

        cursor=con.cursor()

        cursor.execute("update doctor set gender='{}' where
doctor_no={}".format(gender,doctor_no))

    if choice==5:

        department=input("mention the new department")

        cursor=con.cursor

        cursor.execute("update doctor set department='{}' where
doctor_no={}".format(department,doctor_no))

def delete():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    doctor_no=int(input("enter the doctor number"))

    cursor=con.cursor()

    cursor.execute("delete from doctor where doctor_no={}".format(doctor_no))

    con.coommit()

def display():

    import mysql.connector as msql
```

```python
con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

cursor=con.cursor()

cursor.execute("select* from doctor")

data=cursor.fetchall()

for row in data:

    print(row)

con.close()
while True:

    print("1\t insert")

    print("2\t modify")

    print("3\ delete")

    print("4\ display")

    print("5\ exit")

    choice=int(input("enetr your choice"))

    if choice==1:

        insert()

    if choice==2:

        modify()

    if choice==3:

        delete()

    if choice==4:

        display()

    elif choice==5:

        break

    else:

        print("invalid choice")
```

```
mysql> select * from doctor;
+-----------+-----------+-------------+-----------------------+--------+------------+
| doctor_no | doctor_id | doctor_name | contact               | gender | department |
+-----------+-----------+-------------+-----------------------+--------+------------+
|         1 | fs123     | dr bhargav  | bhargav@gmail.com     | m      | neuro      |
|         2 | fs143     | dr swara    | swara@gmail.com       | f      | neuro      |
|         3 | fs133     | dr shruti   | shruti@gmail.com      | f      | cardio     |
|         4 | fs163     | dr shrishant| shrishant@gmail.com   | m      | cardio     |
|         5 | fs162     | dr shri     | shri@gmail.com        | m      | derma      |
|         6 | fs111     | dr dhara    | dhara@gmail.com       | f      | derma      |
|         7 | fs181     | dr drishti  | drishti@gmail.com     | f      | pedia      |
|         8 | fs141     | dr rishi    | rishi@gmail.com       | m      | pedia      |
+-----------+-----------+-------------+-----------------------+--------+------------+
8 rows in set (0.00 sec)
```

```python
def insert():

        import mysql.connector as msql

        con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

        patient_no=int(input("enetr the patient number"))

        patient_id=input("enter the patient id")

        patient_name=input("enter the patient name")

        contact=input("enter the contact no")

        gender=input("enter the gender of the doctor")

        checkin_=input("eneter the checkin date")

        ward_taken=int(input("enter the ward no"))

        cursor=con.cursor()

        cursor.execute("insert into checkin
values({},{},{},{},{})".format(patient_no,patient_id,patient_name,contact,gender,checkin_,ward_take
n))

        con.commit()

        result=cursor.rowcount

        if result>0:
```

```python
            print("record added to the table")
        else:
            print("error")
        con.close()
    def modify():
        import mysql.connector as msql
        con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")
        patient_no=int(input("enter the patient num"))
        print("1\ change the patient id")
        print("2\ change the patient name")
        print("3\ change the contact")
        print("4\ change the gender")
        print("5\ change the checkin date")
        print("6\ change the ward_taken")
        choice=int(input("enter your choice"))
        if choice==1:
            patient_id=input("enter the new patient id")
            cursor=con.cursor()
            cursor.execute("update checkin set patient_id='{}' where
patient_no={}".format(patient_id,patient_no))
        if choice==2:
            patient_name=input("enter the new name of the patient")
            cursor=con.cursor()
            cursor.execute("update checkin set patient_name='{}' where
patient_no={}".format(patient_name,patient_no))
        if choice==3:
            contact=input("enter the new contact")
            cursor=con.cursor()
```

```python
        cursor.execute("update checkin set contact='{}' where
patient_no={}".format(contact,patient_no))

    if choice==4:

        gender=input("enter the new gender")

        cursor=con.cursor()

        cursor.execute("update checkin set gender='{}' where
patient_no={}".format(gender,patient_no))

    if choice==5:

        checkin_=input("mention the new checkin date")

        cursor=con.cursor

        cursor.execute("update checkin set checkin_='{}' where
patient_no={}".format(checkin_,patient_no))

    if choice==6:

        ward_taken=int(input("enter the new ward taken"))

        cursor=con.cursor()

        cursor.execute("update checkin set ward_taken='{}' where
patient_no={}".format(ward_taken,patient_no))

def delete():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    patient_no=int(input("enter the patient number"))

    cursor=con.cursor()

    cursor.execute("delete from checkin where patient_no={}".format(patient_no))

    con.coommit()

def display():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    cursor=con.cursor()
```

```python
    cursor.execute("select* from checkin")

    data=cursor.fetchall()

    for row in data:

        print(row)

    con.close()

while True:

    print("1\t insert")

    print("2\t modify")

    print("3\ delete")

    print("4\ display")

    print("5\ exit")

    choice=int(input("enetr your choice"))

    if choice==1:

        insert()

    if choice==2:

        modify()

    if choice==3:

        delete()

    if choice==4:

        display()

    elif choice==5:

        break

    else:

        print("invalid choice")
```

```
+-----------+-----------+--------------+---------+--------+---------------------+------------+
| patient_no | patient_id | patient_name | contact | gender | checkin_            | ward_taken |
+-----------+-----------+--------------+---------+--------+---------------------+------------+
|        65 | fs56      | shurn        | 12345   | m      | 2022-12-01 00:00:00 |         23 |
|        62 | fs59      | urn          | 12365   | m      | 2022-12-02 00:00:00 |         23 |
|        42 | fs90      | uju          | 12895   | m      | 2022-12-03 00:00:00 |         23 |
|        32 | fs50      | ujumi        | 12835   | f      | 2022-12-05 00:00:00 |         25 |
|        38 | fs70      | umi          | 15285   | f      | 2022-12-05 00:00:00 |         25 |
|        48 | fs60      | pristy       | 15785   | f      | 2022-12-06 00:00:00 |         25 |
|        41 | fs54      | crystle      | 15085   | f      | 2022-12-07 00:00:00 |         32 |
+-----------+-----------+--------------+---------+--------+---------------------+------------+
7 rows in set (0.00 sec)
```

```python
def insert():

    import mysql.connector as msql

    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

    patient_no=int(input("enetr the patient number"))

    patient_id=input("enter the patient id")

    patient_name=input("enter the patient name")

    contact=input("enter the contact no")

    gender=input("enter the gender of the doctor")

    checkout_=input("eneter the checkout date")

    ward_empty=int(input("enter the ward no"))

    cursor=con.cursor()

    cursor.execute("insert into checkout
values({},{},{},{},{})".format(patient_no,patient_id,patient_name,contact,gender,checkout_,war
d_empty))

    con.commit()

    result=cursor.rowcount

    if result>0:

        print("record added to the table")

    else:

        print("error")
```

```python
    con.close()
def modify():
    import mysql.connector as msql
    con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")
    patient_no=int(input("enter the patient num"))
    print("1\ change the patient id")
    print("2\ change the patient name")
    print("3\ change the contact")
    print("4\ change the gender")
    print("5\ change the checkout date")
    print("6\ change the ward_empty")
    choice=int(input("enter your choice"))
    if choice==1:
        patient_id=input("enter the new patient id")
        cursor=con.cursor()
        cursor.execute("update checkout set patient_id='{}' where
patient_no={}".format(patient_id,patient_no))
    if choice==2:
        patient_name=input("enter the new name of the patient")
        cursor=con.cursor()
        cursor.execute("update checkout set patient_name='{}' where
patient_no={}".format(patient_name,patient_no))
    if choice==3:
        contact=input("enter the new contact")
        cursor=con.cursor()
        cursor.execute("update checkout set contact='{}' where
patient_no={}".format(contact,patient_no))
    if choice==4:
```

```python
    gender=input("enter the new gender")

    cursor=con.cursor()

    cursor.execute("update checkout set gender='{}' where
patient_no={}".format(gender,patient_no))

  if choice==5:

    checkout_=input("mention the new checkout date")

    cursor=con.cursor

    cursor.execute("update checkout set checkout_='{}' where
patient_no={}".format(checkout_,patient_no))

  if choice==6:

    ward_empty=int(input("enter the new ward empty"))

    cursor=con.cursor()

    cursor.execute("update checkout set ward_empty='{}' where
patient_no={}".format(ward_empty,patient_no))

def delete():

  import mysql.connector as msql

  con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

  patient_no=int(input("enter the patient number"))

  cursor=con.cursor()

  cursor.execute("delete from checkout where patient_no={}".format(patient_no))

  con.commit()

def display():

  import mysql.connector as msql

  con=msql.connect(host="localhost",user="root",passwd="dugul",database="star")

  cursor=con.cursor()

  cursor.execute("select* from checkout")

  data=cursor.fetchall()

  for row in data:
```

```python
        print(row)
    con.close()
while True:
    print("1\t insert")
    print("2\t modify")
    print("3\ delete")
    print("4\ display")
    print("5\ exit")
    choice=int(input("enetr your choice"))
    if choice==1:
        insert()
    if choice==2:
        modify()
    if choice==3:
        delete()
    if choice==4:
        display()
    elif choice==5:
        break
    else:
        print("invalid choice")
```

```
mysql> select * from checkout;
+------------+------------+--------------+---------+--------+---------------------+-------------+
| patient_no | patient_id | patient_name | contact | gender | checkout_           | ward_empty  |
+------------+------------+--------------+---------+--------+---------------------+-------------+
|         11 | fs12       | rish         | 432256  | m      | 2023-01-01 00:00:00 |          23 |
|         12 | fs62       | ish          | 456786  | f      | 2023-01-01 00:00:00 |          23 |
|         16 | fs52       | jsh          | 456706  | f      | 2023-01-01 00:00:00 |          23 |
|         18 | fs72       | ujh          | 456006  | m      | 2023-01-02 00:00:00 |          23 |
|         21 | fs45       | uki          | 451006  | m      | 2023-01-03 00:00:00 |          23 |
|         34 | fs47       | ukino        | 451306  | m      | 2023-01-03 00:00:00 |          20 |
|         32 | fs27       | hana         | 450306  | m      | 2023-01-04 00:00:00 |          26 |
+------------+------------+--------------+---------+--------+---------------------+-------------+
7 rows in set (0.00 sec)
```

➢ MYSQL TABLES

▪ HOSPITAL TABLE

```
+-------------+-------------+----------------+----------+---------------+----------------+
| hospital_no | hospital_id | email          | phone_no | address       | hospital_name  |
+-------------+-------------+----------------+----------+---------------+----------------+
|        1006 | ADPM        | star@gmail.com |    34562 | floating abode | star hospital:) |
+-------------+-------------+----------------+----------+---------------+----------------+
1 row in set (0.00 sec)
```

▪ WARD TABLE

```
+---------+---------+--------+--------------------+
| ward_no | ward_id | bed_no | status             |
+---------+---------+--------+--------------------+
|      21 | ad001   |     45 | available          |
|      22 | ad002   |     45 | available          |
|      23 | ad003   |     45 | occupied           |
|      24 | ad004   |     35 | occupied           |
|      25 | ad005   |     35 | occupied           |
|      26 | ad006   |     35 | partially occupied |
|      27 | ad007   |     35 | partially occupied |
|      28 | ad008   |     20 | partially occupied |
|      29 | ad009   |     20 | partially occupied |
|      30 | ad010   |     20 | occupied           |
+---------+---------+--------+--------------------+
10 rows in set (0.00 sec)
```

▪ PATIENT TABLE

patient_no	patient_id	patient_name	contact	age	gender	illness
34	fs34	cara	34562	34	f	blood cancer
32	fs32	rhea	37562	37	f	heart cancer
33	fs33	rhast	37542	47	m	skin cancer
34	fs34	chrit	37592	67	m	lung infection
35	fs35	mohammad	37232	61	m	coratoconus
36	fs36	ali	37452	51	m	night blindness
37	fs37	rina	37562	56	f	ovarian cancer

7 rows in set (0.00 sec)

▪ DOCTOR TABLE

doctor_no	doctor_id	doctor_name	contact	gender	department
1	fs123	dr bhargav	bhargav@gmail.com	m	neuro
2	fs143	dr swara	swara@gmail.com	f	neuro
3	fs133	dr shruti	shruti@gmail.com	f	cardio
4	fs163	dr shrishant	shrishant@gmail.com	m	cardio
5	fs162	dr shri	shri@gmail.com	m	derma
6	fs111	dr dhara	dhara@gmail.com	f	derma
7	fs181	dr drishti	drishti@gmail.com	f	pedia
8	fs141	dr rishi	rishi@gmail.com	m	pedia

8 rows in set (0.00 sec)

▪ CHECKIN TABLE

patient_no	patient_id	patient_name	contact	gender	checkin_	ward_taken
65	fs56	shurn	12345	m	2022-12-01 00:00:00	23
62	fs59	urn	12365	m	2022-12-02 00:00:00	23
42	fs90	uju	12895	m	2022-12-03 00:00:00	23
32	fs50	ujumi	12835	f	2022-12-05 00:00:00	25
38	fs70	umi	15285	f	2022-12-05 00:00:00	25
48	fs60	pristy	15785	f	2022-12-06 00:00:00	25
41	fs54	crystle	15085	f	2022-12-07 00:00:00	32

7 rows in set (0.00 sec)

▪ CHECKOUT TABLE

patient_no	patient_id	patient_name	contact	gender	checkout_	ward_empty
11	fs12	rish	432256	m	2023-01-01 00:00:00	23
12	fs62	ish	456786	f	2023-01-01 00:00:00	23
16	fs52	jsh	456706	f	2023-01-01 00:00:00	23
18	fs72	ujh	456006	m	2023-01-02 00:00:00	23
21	fs45	uki	451006	m	2023-01-03 00:00:00	23
34	fs47	ukino	451306	m	2023-01-03 00:00:00	20
32	fs27	hana	450306	m	2023-01-04 00:00:00	26

7 rows in set (0.00 sec)