Input and Output screen

```
mysql> describe pcgbm;
+----------------------+-------------+------+-----+---------+-------+
| Field                | Type        | Null | Key | Default | Extra |
+----------------------+-------------+------+-----+---------+-------+
| G_name               | varchar(50) | NO   | PRI | NULL    |       |
| processor            | varchar(50) | YES  |     | NULL    |       |
| memory               | varchar(50) | YES  |     | NULL    |       |
| graphics             | varchar(50) | YES  |     | NULL    |       |
| storage_GB_          | int         | YES  |     | NULL    |       |
| price_$_             | int         | YES  |     | NULL    |       |
| platform             | varchar(50) | YES  |     | NULL    |       |
| ReviewScore_outof100 | int         | YES  |     | NULL    |       |
| PCprice_Rs           | int         | YES  |     | NULL    |       |
+----------------------+-------------+------+-----+---------+-------+
9 rows in set (2.48 sec)
```

```
TO Login as USER (Enter U)
TO Login as ADMIN (Enter A)
:
```

```
TO Login as USER (Enter U)
TO Login as ADMIN (Enter A)
: 2

Invalid Input
```

```
TO Login as USER (Enter U)
TO Login as ADMIN (Enter A)
: u

Can I Run It ?
System requirement application to find games that can run on your computer,
And to provide you with Game Price, Price of the PC(Based upon the configuration provided by you + other important parts required to build the PC)
What games your laptop/PC can run - from our list of over 70 PC games.

Tell us about your PC specification from the following option's

Choose from the folLowing GRAPHICS CARD
   Geforce GTX 1050 Ti (ENTER g1)
   Geforce GTX 1060    (ENTER g2)
   Geforce GTX 1070 Ti (ENTER g3)
   : g1

Choose from the folLowing PROCESSOR
  Intel core i3 (ENTER p1)
  Intel core i5 (ENTER p2)
  Intel core i7 (ENTER p3)
  : p2
```

```
Choose from the folLowing MEMORY
 4GB RAM (ENTER r1)
 8GB RAM (ENTER r2)
16GB RAM (ENTER r3)
 :  r1


Game Name                    Age Of Empires II
Storage(GB)                              30
Price($)                                 15
ReviewScore(out of 100)                  81
PCprice(Rs)                           96000
Name: 0, dtype: object


Game Name                    Divinity:Original
Storage(GB)                              10
Price($)                                  0
ReviewScore(out of 100)                  94
PCprice(Rs)                           96000
Name: 1, dtype: object
```

```
Game Name                    The Borderlands 2
Storage(GB)                              20
Price($)                                 26
ReviewScore(out of 100)                  90
PCprice(Rs)                           96000
Name: 5, dtype: object




IF YOU WANT TO SEE GRAPHS (ENTER Y) : y


Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs :
```
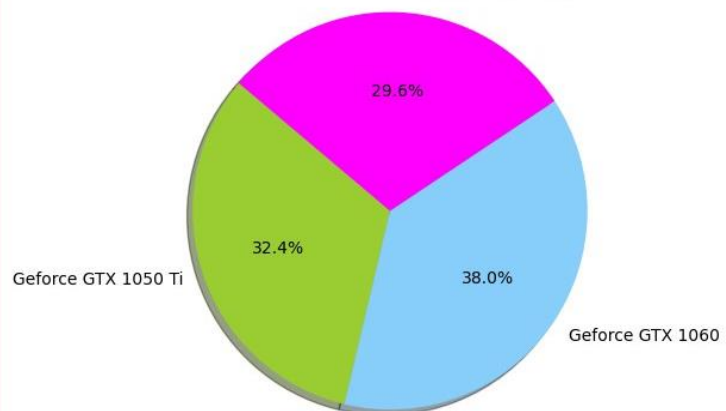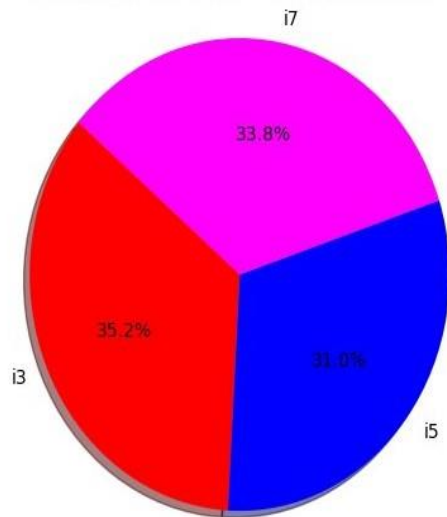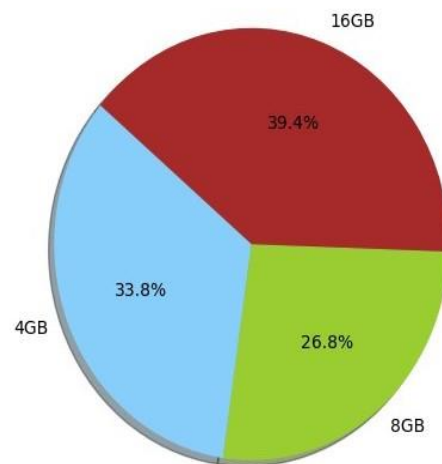
```
Game Name             GTA:Vice City
Storage(GB)                    10
Price($)                        3
ReviewScore(out of 100)        94
PCprice(Rs)                 96000
Name: 4, dtype: object


Game Name             The Borderlands 2
Storage(GB)                    20
Price($)                       26
ReviewScore(out of 100)        90
PCprice(Rs)                 96000
Name: 5, dtype: object


IF YOU WANT TO SEE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 1
```

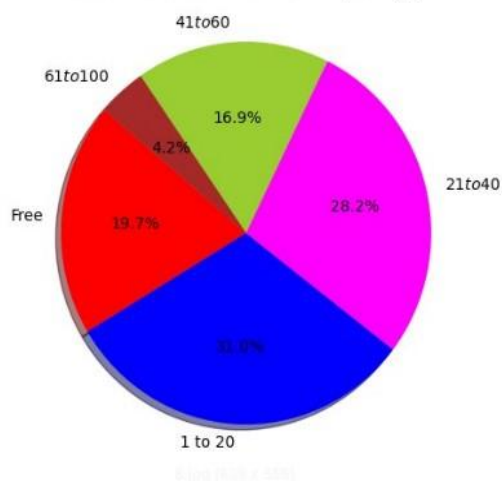Games in PCGBM for various Graphics card

Geforce GTX 1070 Ti

29.6%

Geforce GTX 1050 Ti

32.4%

38.0%
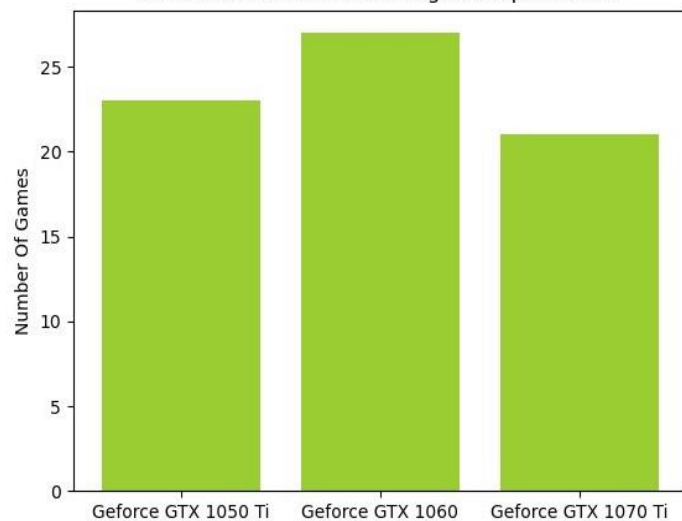
Geforce GTX 1060

Games in PCGBM for various Processors

i7 — 33.8%
i3 — 35.2%
i5 — 31.0%

Games in PCGBM for various RAM

16GB — 39.4%
4GB — 33.8%
8GB — 26.8%

Games in PCGBM for various prices($)

41to60 — 16.9%
61to100 — 4.2%
Free — 19.7%
21to40 — 28.2%
1 to 20 — 31.0%

Games in PCGBM for various Review Score out of 100

40 to 60 — 4.3%
81 to 100 — 68.6%
61 to 80 — 27.1%

```
IF YOU WANT TO SEE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 1

DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 2
```
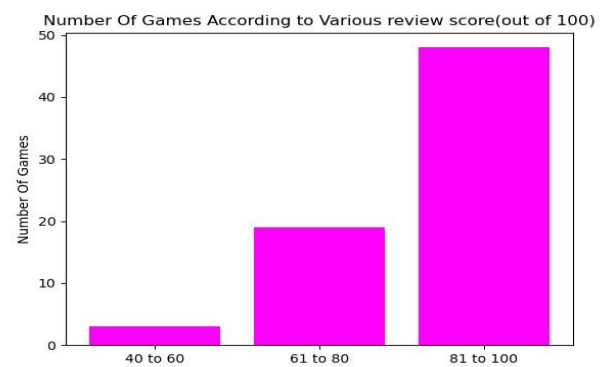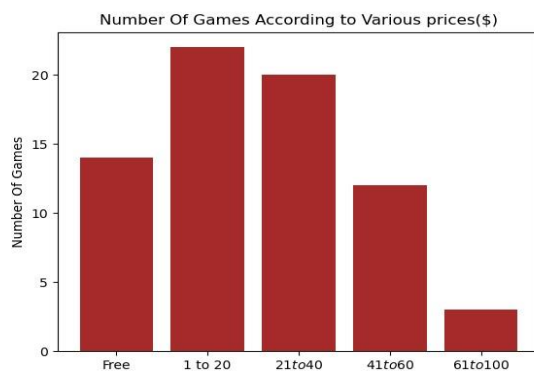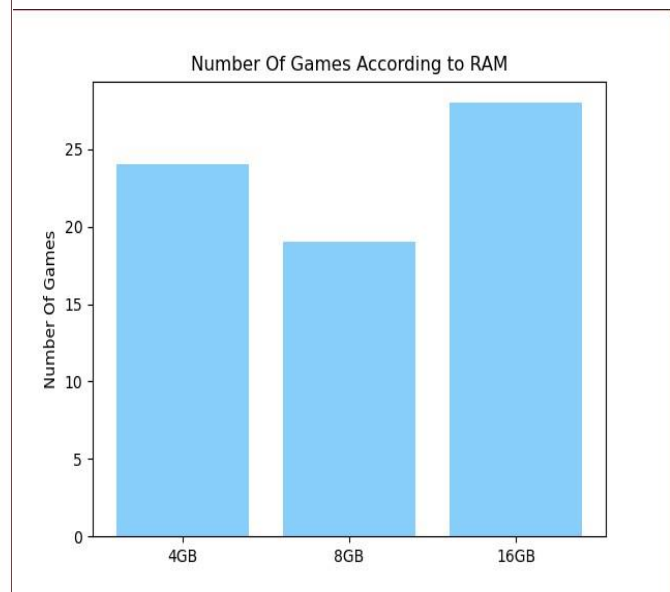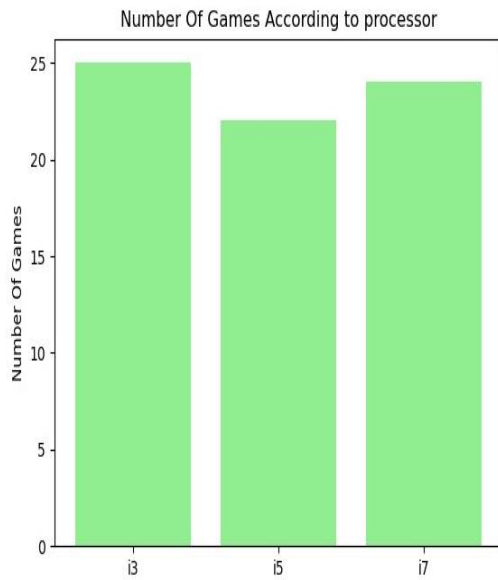
Number Of Games According to Graphics Card

Geforce GTX 1050 Ti — 23
Geforce GTX 1060 — 27
Geforce GTX 1070 Ti — 21

Number Of Games According to processor

Number Of Games

25
20
15
10
5
0

i3   i5   i7

Number Of Games According to RAM

Number Of Games

25
20
15
10
5
0

4GB   8GB   16GB

Number Of Games According to Various prices($)

Number Of Games

20
15
10
5
0

Free   1 to 20   21to40   41to60   61to100

Number Of Games According to Various review score(out of 100)

Number Of Games

50
40
30
20
10
0

40 to 60   61 to 80   81 to 100
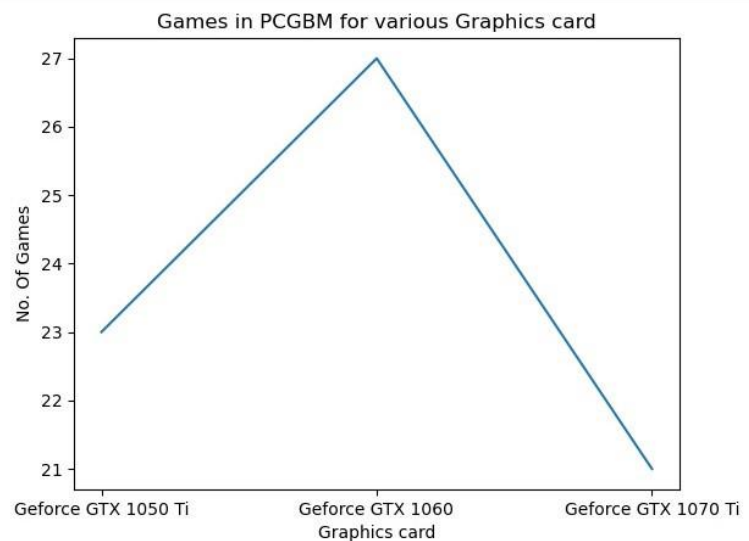
```
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 1

DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 2

DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 3
```
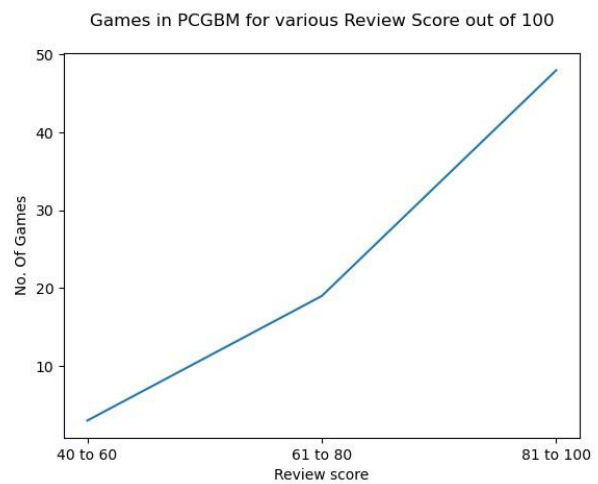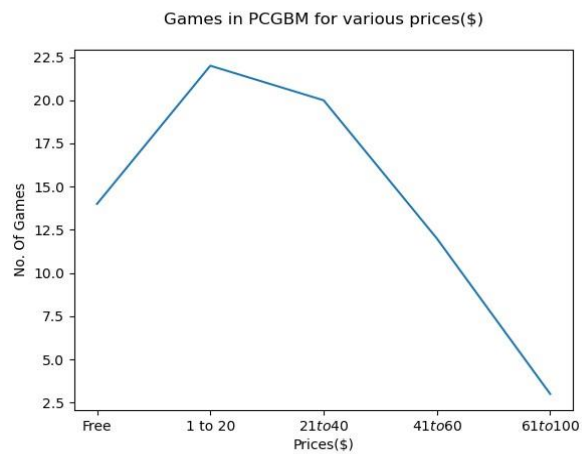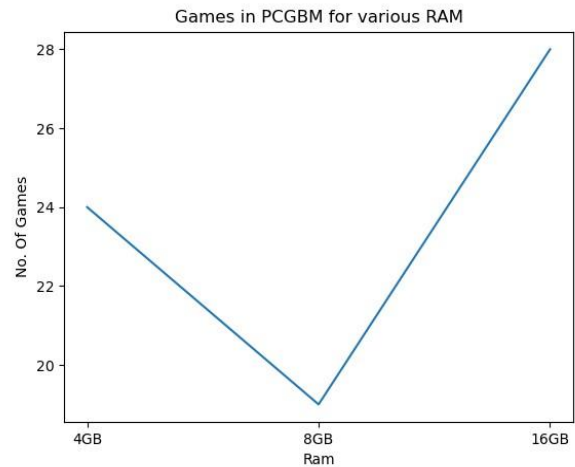
Games in PCGBM for various Graphics card

No. Of Games

27
26
25
24
23
22
21

Geforce GTX 1050 Ti   Geforce GTX 1060   Geforce GTX 1070 Ti
Graphics card

Games in PCGBM for various Processors

No. Of Games — Processors (i3, i5, i7)

Games in PCGBM for various RAM

No. Of Games — Ram (4GB, 8GB, 16GB)

Games in PCGBM for various prices($)

No. Of Games — Prices($) (Free, 1 to 20, 21to40, 41to60, 61to100)

Games in PCGBM for various Review Score out of 100

No. Of Games — Review score (40 to 60, 61 to 80, 81 to 100)
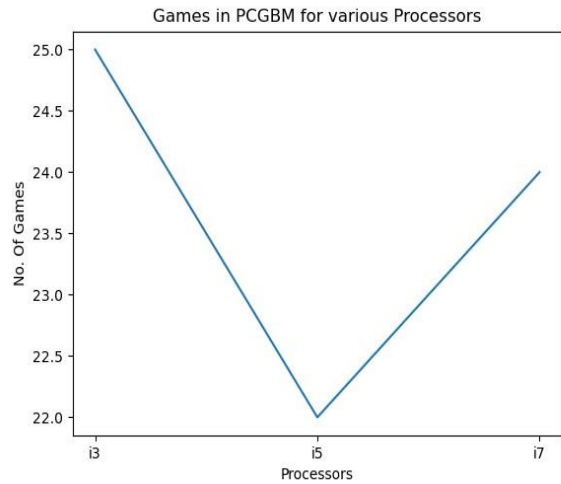
```
DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 3

DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 4
```
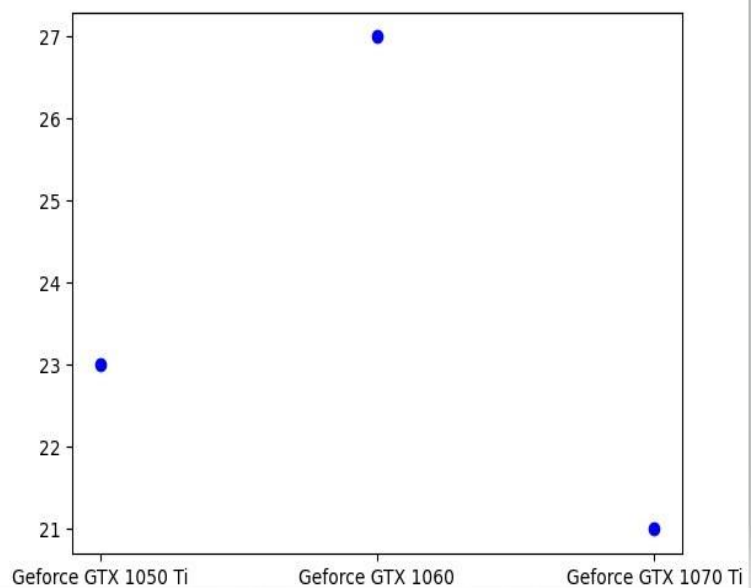
Geforce GTX 1050 Ti   Geforce GTX 1060   Geforce GTX 1070 Ti

```
DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : n


Do you want run the program again
If yes then type y
Else enter anything

: n


I wish you have a Good Day!!


Process finished with exit code 0
```
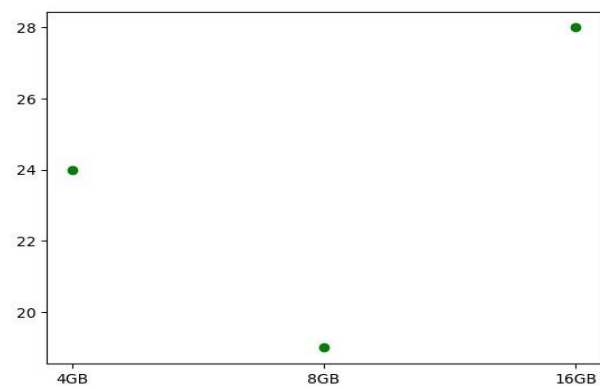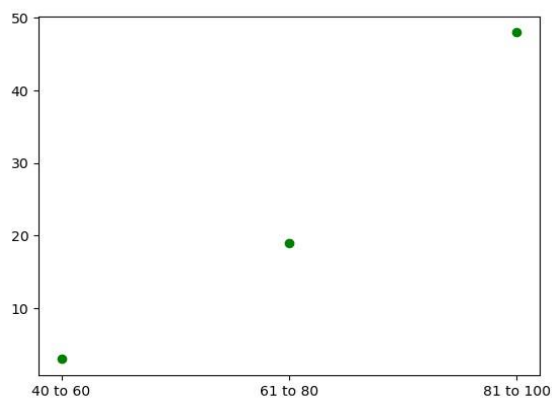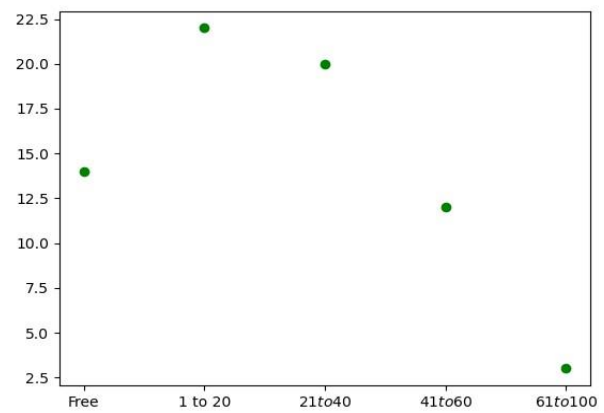
```
DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 4

DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : n


Do you want run the program again
If yes then type y
Else enter anything
: y


TO Login as USER (Enter U)
TO Login as ADMIN (Enter A)
:
```
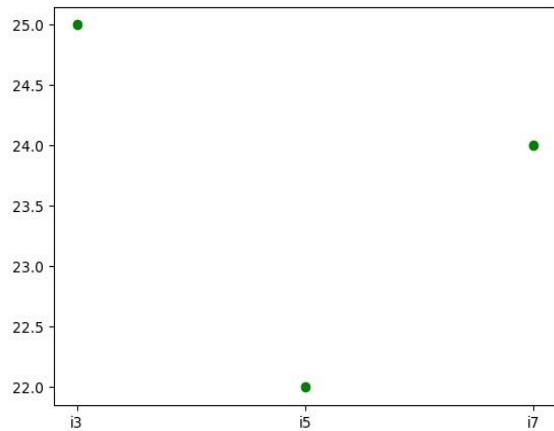
```
TO Login as USER (Enter U)
TO Login as ADMIN (Enter A)
: a


Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : |
```

```
1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit


Enter choice : 1
game name :  kgf
processor from Intel core i3, Intel core i5 and Intel core i7 : i3
memory from 4GB, 8GB and 16GB : 8GB
graphics from Geforce GTX 1050 Ti, Geforce GTX 1060 and Geforce GTX 1070 Ti : Geforce GTX 1060
storage_GB_ : 12
price_$_ : 5
platform : WINDOWS
ReviewScore_outof100 : 50
PCprice_Rs : 98000
records added
Do you want to ADD more records :
```

```
6. Exit

Enter choice : 1
game name :  kgf
processor from Intel core i3, Intel core i5 and Intel core i7 : i3
memory from 4GB, 8GB and 16GB : 8GB
graphics from Geforce GTX 1050 Ti, Geforce GTX 1060 and Geforce GTX 1070 Ti : Geforce GTX 1060
storage_GB_ : 12
price_$_ : 5
platform : WINDOWS
ReviewScore_outof100 : 50
PCprice_Rs : 98000
records added
Do you want to ADD more records : y
game name :  kgf1
processor from Intel core i3, Intel core i5 and Intel core i7 : i3
memory from 4GB, 8GB and 16GB : 8GB
graphics from Geforce GTX 1050 Ti, Geforce GTX 1060 and Geforce GTX 1070 Ti : Geforce GTX 1060
storage_GB_ : 16
price_$_ : 9
platform : WINDOWS
ReviewScore_outof100 : 64
PCprice_Rs : 98000
records added
Do you want to ADD more records : n

Do you want to return to Admin Window : |
```

```
Do you want to ADD more records : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : 2
game name :  kgf
records deleted
Do you want to DELETE more records : y
game name :  kgf1
records deleted
Do you want to DELETE more records : n

Do you want to return to Admin Window : y
Enter LoginID :
```

```
Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : 3
Total number of rows in database is :  71

Printing each record
G_name =  Age Of Empires II
processor =  i5
memory =  4GB
graphics  =  Geforce GTX 1050 Ti
storage_GB_ =  30
price_$_ =  15
platform =  WINDOWS
ReviewScore_outof100 =  81
PCprice_Rs =  96000
```

```
G_name =  World of Warcraft
processor =  i7
memory =  8GB
graphics  =  Geforce GTX 1050 Ti
storage_GB_ =  5
price_$_ =  15
platform =  WINDOWS
ReviewScore_outof100 =  93
PCprice_Rs =  127000


Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice :
```

```
Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : 4
What do you want to Update ?

1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice :
```

```
1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 1
Old game name :  predator
New Game Name : predator Galea
records updated

Do you want to UPDATE more Games name : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit
```

```
Enter choice : 4
What do you want to Update ?


1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 2
game name :  predator galea
New processor:i7
records updated
Do you want to UPDATE processor of more games : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!
```

```
What do you want to Update ?

1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 3
game name :   predator galea
New memory:4GB
records updated
Do you want to UPDATE Memory of more Games : n


Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!
```

```
What do you want to Update ?

1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 4
game name :   predator galea
New storage:45
records updated
Do you want to UPDATE Storage of more Games : n


Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!
```

```
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 5
game name :   predator galea
New price:25
records updated
Do you want to UPDATE Price of more Games : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : 4
What do you want to Update ?
```

```
Enter choice : 4
What do you want to Update ?

1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 6
game name :   predator galea
New ReviewScore:85
records updated
Do you want to UPDATE ReviewScore of more Games : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!
```

```
1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 7
game name :  predator galea
New graphics:Geforce GTX 1050 Ti
records updated
Do you want to UPDATE Graphics of more Games : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!
```

```
Enter choice : 4
What do you want to Update ?

1. Game name
2. Processor
3. Memory
4. Storage
5. Price
6. Review Score
7. Graphics
8. PC price
Enter Choice : 8
game name :  predator galea
New PCprice:124000
records updated
Do you want to UPDATE PCprice of more Games : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!
```

```
Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : 5

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : |
```

```
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : 5

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 1
```

Games in PCGBM for various Graphics card

Geforce GTX 1070 Ti — 29.6%
Geforce GTX 1050 Ti — 32.4%
Geforce GTX 1060 — 38.0%

Similarly, the program will show rest of the different types of graphs

```
Enter choice of graphs : 3

DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : y

Select the graph you want to see
1.Pie chart
2.Bar graph
3.Line Graph
4.Scatter plot
Enter choice of graphs : 4

DO YOU WANT TO SEE MORE GRAPHS (ENTER Y) : n

Do you want to return to Admin Window : y
Enter LoginID : pcgbm
Enter Password : ****
Access Granted!!

1. Add Record
2. Delete record
3. Show records
4. Update records
5. Graphs
6. Exit

Enter choice : 6
Exiting

Process finished with exit code 0
```
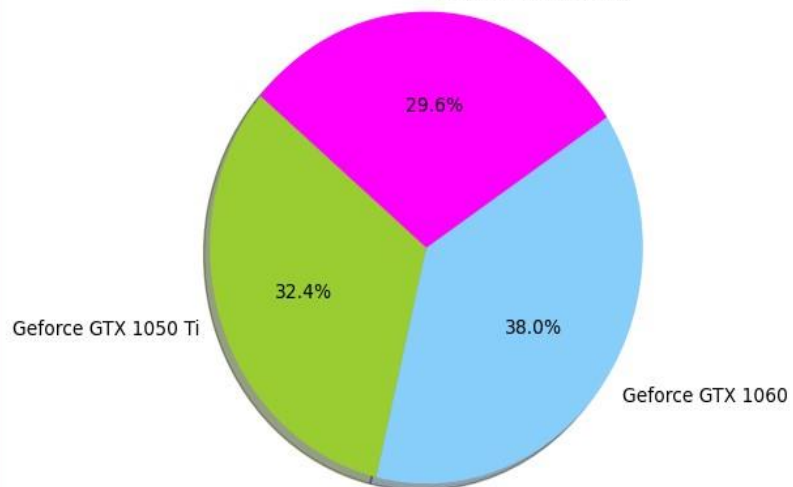
```
mysql> use pcgbm
Database changed
mysql> select * from pcgbm;
```

G_name	processor	memory	graphics	storage_GB_	price_$_	platform	ReviewScore_outof100	PCprice_Rs
Age Of Empires II	i5	4GB	Geforce GTX 1050 Ti	30	15	WINDOWS	81	96000
Age of Empires II: Definitive Edition	i3	8GB	Geforce GTX 1060	30	20	WINDOWS	90	98000
Anno 1800	i3	8GB	Geforce GTX 1060	40	28	WINDOWS	81	98000
Apex	i7	16GB	Geforce GTX 1060	30	3	WINDOWS	88	141000
Apex Legends	i7	16GB	Geforce GTX 1050 Ti	35	0	WINDOWS	88	137000
ARK: Survival Evolved	i5	16GB	Geforce GTX 1060	60	50	WINDOWS	71	113000
Assassin's Creed Odyssey	i5	16GB	Geforce GTX 1060	46	60	WINDOWS	98	113000
Assassin's Creed Origins	i5	16GB	Geforce GTX 1070 Ti	42	60	WINDOWS	81	129000
Assassin's Creed Unity	i5	16GB	Geforce GTX 1070 Ti	50	30	WINDOWS	77	129000
Assassins Creed	i7	8GB	Geforce GTX 1060	50	13	WINDOWS	80	131000
Battlefield 5	i7	16GB	Geforce GTX 1070 Ti	50	50	WINDOWS	81	157000
Black Desert	i3	4GB	Geforce GTX 1070 Ti	15	0	WINDOWS	73	111000
Black Desert 2	i5	4GB	Geforce GTX 1070 Ti	28	100	WINDOWS	73	116000
Call of Duty: Black Ops II	i5	4GB	Geforce GTX 1070 Ti	16	60	WINDOWS	74	116000
Call of Duty: Black Ops III	i3	4GB	Geforce GTX 1050 Ti	100	36	WINDOWS	73	91000
Call of Duty: Modern Warfare	i7	16GB	Geforce GTX 1050 Ti	55	40	WINDOWS	89	137000
Cities: Skylines	i7	4GB	Geforce GTX 1050 Ti	5	30	WINDOWS	85	124000
Counter Strike:Global Offensive	i3	4GB	Geforce GTX 1050 Ti	15	0	WINDOWS	83	91000
CRUCIBLE	i7	8GB	Geforce GTX 1060	15	16	WINDOWS	60	131000
Dead by Daylight	i3	16GB	Geforce GTX 1060	25	20	WINDOWS	71	108000
Destiny 2	i7	16GB	Geforce GTX 1060	105	0	WINDOWS	83	141000
Destiny 2: Beyond Light	i7	8GB	Geforce GTX 1060	105	70	WINDOWS	83	131000
Divinity	i5	4GB	Geforce GTX 1060	16	0	WINDOWS	94	100000
Divinity:Original	i5	4GB	Geforce GTX 1050 Ti	10	0	WINDOWS	94	96000
DOOM Eternal	i5	8GB	Geforce GTX 1060	50	31	WINDOWS	90	103000
Dota 2	i7	4GB	Geforce GTX 1050 Ti	15	0	WINDOWS	90	124000
Euro Truck Simulator 2	i3	4GB	Geforce GTX 1060	3	20	WINDOWS	79	95000
Fallout 4	i3	16GB	Geforce GTX 1070 Ti	30	55	WINDOWS	84	124000
Far Cry 3	i5	4GB	Geforce GTX 1070 Ti	15	20	WINDOWS	88	116000
Far Cry 5	i3	16GB	Geforce GTX 1070 Ti	40	60	WINDOWS	89	124000
Farming Simulator 19	i3	4GB	Geforce GTX 1060	23	25	WINDOWS	77	95000
FIFA 19	i3	8GB	Geforce GTX 1050 Ti	50	40	WINDOWS	81	94000
Fifa 20	i7	8GB	Geforce GTX 1060	50	21	WINDOWS	20	131000
FINAL FANTASY XIV Online	i5	4GB	Geforce GTX 1050 Ti	60	15	WINDOWS	83	96000
Football Manager 2020	i5	4GB	Geforce GTX 1050 Ti	50	30	WINDOWS	87	96000
Fortnite	i3	8GB	Geforce GTX 1050 Ti	15	0	WINDOWS	81	94000
Grand Theft Auto V (GTA 5)	i7	4GB	Geforce GTX 1060	72	15	WINDOWS	96	128000
GTA IV	i5	16GB	Geforce GTX 1050 Ti	16	11	WINDOWS	90	109000
GTA:Vice City	i5	4GB	Geforce GTX 1050 Ti	10	3	WINDOWS	94	96000
iRacing	i5	8GB	Geforce GTX 1060	6	0	WINDOWS	79	103000
League of Legends	i7	16GB	Geforce GTX 1060	12	16	WINDOWS	76	141000
Mass Effect 2	i3	4GB	Geforce GTX 1070 Ti	14	4	WINDOWS	94	111000
Metro Exodus	i7	16GB	Geforce GTX 1070 Ti	59	40	WINDOWS	95	157000
MINECRAFT	i3	8GB	Geforce GTX 1070 Ti	4	0	WINDOWS	93	114000
MONSTER HUNTER: WORLD	i5	16GB	Geforce GTX 1070 Ti	20	30	WINDOWS	88	129000
Monster Hunter:World	i7	8GB	Geforce GTX 1070 Ti	20	21	WINDOWS	88	147000
Mount and Blade	i7	8GB	Geforce GTX 1070 Ti	16	0	WINDOWS	78	147000
NBA 2K20	i5	8GB	Geforce GTX 1050 Ti	80	13	WINDOWS	79	99000
No Man's Sky	i3	16GB	Geforce GTX 1070 Ti	10	60	WINDOWS	61	124000
Overwatch	i3	4GB	Geforce GTX 1060	30	40	WINDOWS	91	95000
Planet Zoo	i5	16GB	Geforce GTX 1060	16	50	WINDOWS	82	113000
Portal 2	i7	4GB	Geforce GTX 1070 Ti	10	0	WINDOWS	95	144000
predator Galea	i7	4GB	Geforce GTX 1050 Ti	45	25	WINDOWS	85	124000
Pubg Lite	i3	4GB	Geforce GTX 1050 Ti	4	0	WINDOWS	86	91000
PUBG PC	i7	16GB	Geforce GTX 1050 Ti	35	31	WINDOWS	86	137000
Rust	i7	16GB	Geforce GTX 1070 Ti	20	40	WINDOWS	69	157000
Scrap Mechanic	i3	16GB	Geforce GTX 1060	15	20	WINDOWS	85	108000
Sid Meier?s Civilization VI	i7	4GB	Geforce GTX 1050 Ti	15	60	WINDOWS	88	124000
Star Citizen	i3	16GB	Geforce GTX 1050 Ti	40	11	WINDOWS	42	104000
Star Citizen 2	i7	16GB	Geforce GTX 1060	40	10	WINDOWS	42	141000
STAR WARS Jedi: Fallen Order	i5	8GB	Geforce GTX 1070 Ti	55	35	WINDOWS	90	119000
Terraria	i3	8GB	Geforce GTX 1060	2	10	WINDOWS	83	98000
The Borderlands 2	i5	4GB	Geforce GTX 1050 Ti	20	26	WINDOWS	90	96000
The Elder Scrolls V: Skyrim	i5	4GB	Geforce GTX 1060	6	16	WINDOWS	94	100000
The red dead redemption 2	i7	16GB	Geforce GTX 1060	150	30	WINDOWS	94	141000
The Sims 4	i3	16GB	Geforce GTX 1050 Ti	20	41	WINDOWS	70	104000
The Witcher 3	i3	8GB	Geforce GTX 1070 Ti	55	40	WINDOWS	93	114000
Tom Clancy's Rainbow Six Siege	i3	16GB	Geforce GTX 1050 Ti	61	20	WINDOWS	79	104000
Total War: WARHAMMER II	i3	16GB	Geforce GTX 1060	51	60	WINDOWS	87	108000
Valorant	i3	8GB	Geforce GTX 1070 Ti	120	0	WINDOWS	81	114000
Warzone	i7	16GB	Geforce GTX 1060	197	61	WINDOWS	79	141000
World of Warcraft	i7	8GB	Geforce GTX 1050 Ti	5	15	WINDOWS	93	127000

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72 rows in set (0.10 sec)
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