

```
create table Publisher (  
publisher_ID NUMBER(2) ,  
FirstName VARCHAR2(25) NOT NULL ,  
MiddleName VARCHAR2(25) NOT NULL,  
LastName VARCHAR2(25) NOT NULL,  
Email VARCHAR2(40) ,  
Phone NUMBER(11) ,  
CONSTRAINT publisher_id_pk PRIMARY key (publisher_ID) ,  
CONSTRAINT publisher_email_uq UNIQUE(Email) ,  
CONSTRAINT publisher_Phone_uq UNIQUE(Phone)  
);
```

```
insert into publisher
```

```
values (1,'Mustafa','Saad','Sobeih','mostafasobih54969@gmail.com',01015921236);
```

```
insert into publisher
```

```
values (2,'Ammar','Yasser','Farouk','ammaryasserqwetyu@gmail.com',01092451993);
```

```
insert into publisher
```

```
values (3,'Mahfouz','Sherif','Mousa','mahfouzsherif04@gmail.com',01007751226);
```

```
insert into publisher
```

```
values (4,'Mariam','Salah','Salem','Mariamsalah478@gmail.com',01153221337);
```

```
insert into publisher
```

```
values (5,'Farah','Hussien','Mohamed','Farahhussein353@gmail.com',01065452619);
```

```
insert into publisher
```

```
values (6,'Rawan','Emad','AbdelAziz','rawanenadabelaziz@gmail.com',01144144283);
```

```
insert into publisher
```

```
values (7,'Rima','Osama','AbdelFattah','rima.osama75@gmail.com',01066715852);
```

```
create table Magazine(  
Magazine_ID number(2) ,
```

```
Title varchar2(25) ,
```

```
price number(3) CHECK( price > 0) ,
```

```
Magazine_Category varchar2(25) ,
```

```
Publisher_ID number(2) ,  
  
publish_date DATE ,  
  
CONSTRAINT publisher_Magazine_fk FOREIGN KEY (Publisher_ID)  
  
REFERENCES Publisher (publisher_ID) ,  
  
CONSTRAINT magazine_id_pk PRIMARY key(Magazine_ID) ,  
  
CONSTRAINT magazine_title_uq UNIQUE(Title)  
  
);
```

```
/* Magazine Data */
```

```
insert into magazine  
  
values (1,'Shoot',30,'sport',2,'17-SEP-20');
```

```
insert into magazine  
  
values (2,'Golf',40,'sport',5,'17-AUG-21');
```

```
insert into magazine  
  
values (3,'Support',30,'economic',5,'18-MAY-19');
```

```
insert into magazine  
  
values (4,'Business',50,'economic',6,'15-NOV-16');
```

```
insert into magazine  
  
values (5,'Jocu',60,'Political',1,'24-MAR-15');
```

```
/* updata in Data */
```

```
update Magazine  
  
set publisher_id =4  
  
where magazine_id=3;
```

```
create table Store(  
  
Store_ID number(2) ,  
  
Name varchar2(25) not null ,  
  
Stock NUMBER(3) not null,  
  
Store_Phone number(11) ,  
  
CONSTRAINT store_id_pk PRIMARY KEY (Store_ID) ,  
  
CONSTRAINT store_phone_uq UNIQUE (Store_Phone)
```

```
);
```

```
/* Store Data*/
```

```
insert into Store
```

```
values(1,'Light',30,0244613684);
```

```
insert into Store
```

```
values(2,'Social Store',50,0255419284);
```

```
insert into Store
```

```
values(3,'venus',20,0274512696);
```

```
insert into Store
```

```
values(4,'Zone202',90,0284754730);
```

```
insert into Store
```

```
values(5,'NaRa',70,0297110354);
```

```
insert into Store
```

```
values(6, 'Sub Zero', 0, 0255419224);
```

```
create table Article(
```

```
Article_ID NUMBER(2),
```

```
Header VARCHAR2(100) NOT NULL,
```

```
Article_Content varchar2(2000) ,
```

```
Magazine_ID NUMBER(2) ,
```

```
CONSTRAINT article_id_pk PRIMARY key (Article_ID) ,
```

```
CONSTRAINT article_header_uq UNIQUE(Header) ,
```

```
CONSTRAINT Magazine_Article_fk FOREIGN key(Magazine_ID)
```

```
REFERENCES Magazine( Magazine_ID)
```

```
);
```

```
/* Article Data */
```

```
insert into article
```

```
values (1,Null,Null,3);
```

```
insert into article  
values (2,'Descriptive Header',Null,2);
```

```
insert into article  
values (3,'Narrative Header',Null,4);
```

```
insert into article  
values (4,'Persuasive Header',Null,1);
```

```
insert into article  
values (5,'Objective Header',Null,5);
```

```
create table Writer(  
Writer_ID NUMBER(2) ,  
FirstName VARCHAR2(25) NOT NULL,  
MiddleName VARCHAR2(25) NOT NULL,  
LastName VARCHAR2(25) NOT NULL,  
Email VARCHAR2(40) ,  
Phone number(11) ,  
CONSTRAINT writer_id_pk PRIMARY KEY (Writer_ID) ,  
CONSTRAINT writer_email_uq UNIQUE (Email) ,  
CONSTRAINT writer_phone_uq UNIQUE (Phone)  
);
```

```
/* Writer Data*/
```

```
insert into writer  
values(1,'Mahmoud','Ahmed','Sayed','mos54@gmail.com',01100289929);
```

```
insert into writer  
values(2,'Amr','Mohamed','Saed','ams04@gmail.com',01040299289);
```

```
insert into writer  
values(3,'Amira','Sayed','Ahmed','asa40@gmail.com',01550786929);
```

```
insert into writer  
values(4,'Nader','Hussien','Galal','nhg10@gmail.com',01154287939);
```

insert into writer

values(5,'Ibrahim','Asaad','Saad','ias35@gmail.com',01010063799);

create table Reader(

Reader_ID NUMBER(2) ,

FirstName VARCHAR2(25) NOT NULL,

MiddleName VARCHAR2(25) NOT NULL,

LastName VARCHAR2(25) NOT NULL,

Email VARCHAR2(40) ,

Phone number(11) ,

CONSTRAINT reader_id_pk PRIMARY KEY (Reader_ID) ,

CONSTRAINT reader_emaai_uq UNIQUE (Email) ,

CONSTRAINT reader_phone_uq UNIQUE (Phone)

);

/*Reader Data*/

insert into Reader

values(1,'Hamza','Usama','Allam','hua95@gmail.com',01223174139);

insert into Reader

values(2,'Asmaa','Mustafa','Samir','ams96@gmail.com',01145962844);

insert into reader

values(3,'Amir','Qasem','Sayed','aqs102@gmail.com',01108595639);

insert into reader

values(4,'Jana','Ashraf','Montasser','jam789@gmail.com',01015921239);

insert into reader

values(5,'Manar','Mustafa','Khaled','mmk4041@gmail.com',01225878964);

create table Written_By(

Writer_ID NUMBER(2) ,

Article_ID NUMBER(2) ,

Written_Date DATE NOT NULL ,

CONSTRAINT Writer_Written_By_fk FOREIGN KEY (Writer_ID)

REFERENCES Writer (Writer_ID) ,

```
CONSTRAINT Article_Written_By_fk FOREIGN KEY (Article_ID)
REFERENCES Article(Article_ID)
);
```

```
/* Written_by Data */
```

```
insert into written_by
values(1,2,'28-SEP-15');
```

```
insert into written_by
values(2,3,'07-DEC-12');
```

```
insert into written_by
values(3,4,'21-MAY-17');
```

```
insert into written_by
values(4,5,'18-MAY-13');
```

```
insert into written_by
values(5,1,'06-FEB-18');
```

```
create table Has(
Magazine_ID NUMBER(2) ,
Store_ID NUMBER(2) ,
CONSTRAINT Magazine_Has_fk FOREIGN KEY (Magazine_ID)
REFERENCES Magazine (Magazine_ID) ,
CONSTRAINT Store_Has_fk FOREIGN KEY (Store_ID)
REFERENCES Store (Store_ID)
);
```

```
/* Has Data */
```

```
insert into Has
values (2,1);
```

```
insert into Has
values (3,2);
```

insert into Has

values (1,3);

insert into Has

values (4,4);

insert into Has

values (5,5);

create table Buys(

SoldQuantity NUMBER(4) ,

Reader_ID NUMBER(2) ,

Store_ID NUMBER(6) ,

CONSTRAINT Reader_Buys_fk FOREIGN key (Reader_ID)

REFERENCES Reader (Reader_ID) ,

CONSTRAINT Store_Buys_fk FOREIGN key (Store_ID)

references Store (Store_ID)

);

insert into buys

values (3,3,4);

insert into buys

values (4,2,1);

insert into buys

values (1,4,3);

insert into buys

values (5,1,5);

insert into buys

values (2,5,2);

create table Store_Location(

Location varchar2(25),

```
Store_ID NUMBER (2) ,  
  
CONSTRAINT store_Location_pk PRIMARY key(Location) ,  
  
CONSTRAINT Store_Store_Location_fk FOREIGN key (Store_ID)  
references Store(Store_ID)  
  
);
```

```
/* Store_Location Data */
```

```
insert into store_location  
values('1st Ahmed Orabi,Cairo',3);
```

```
insert into store_location  
values('Abbasia,Cairo',2);
```

```
insert into store_location  
values('Nasr City,Cairo',5);
```

```
insert into store_location  
values('Dokki,Giza',4);
```

```
insert into store_location  
values('Shobra,Qalubya',1);
```

```
insert into store_location  
values('Alf Maskan,Cairo',6);
```

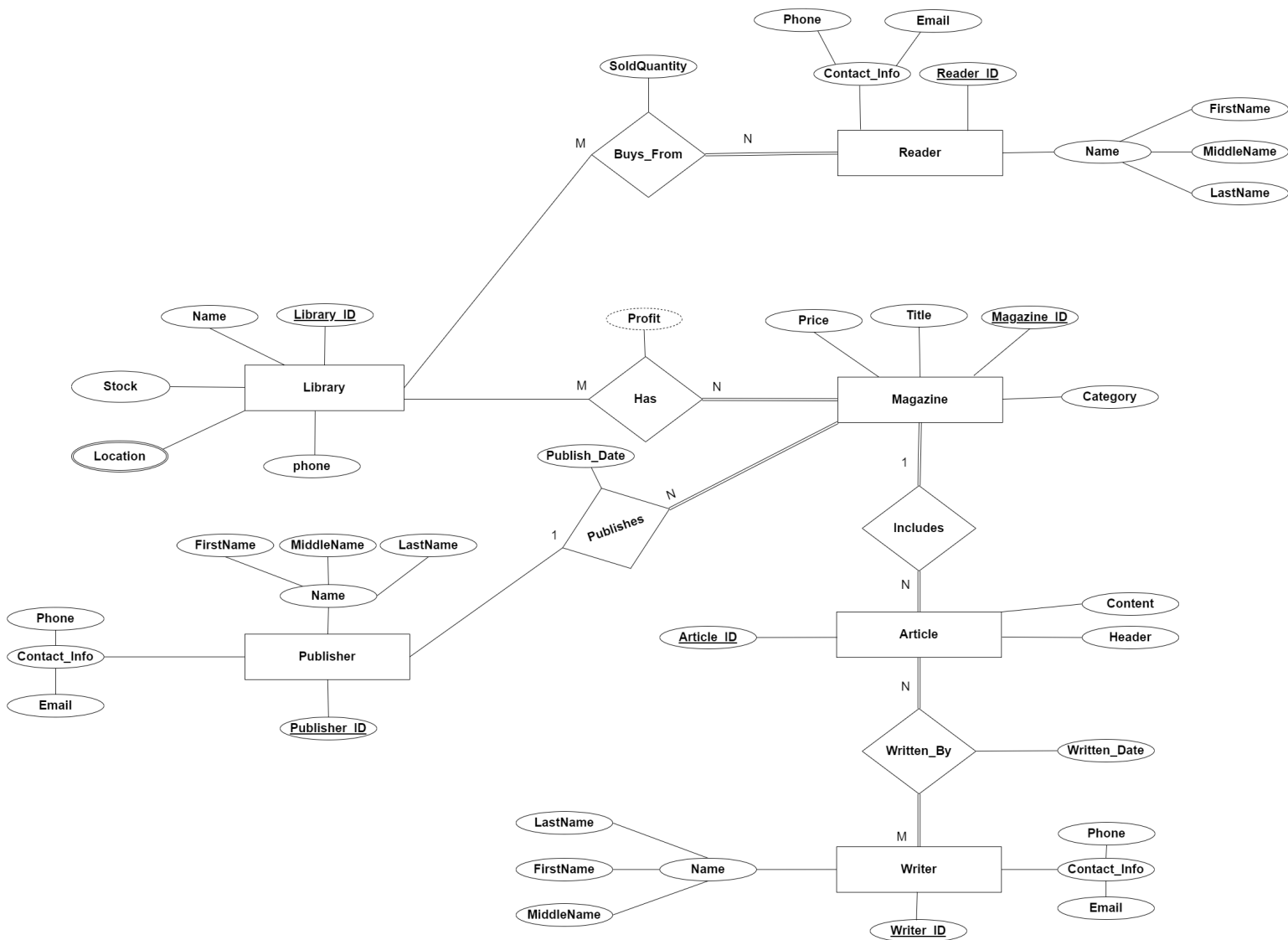

Description

Magazine Management System:

A system that revolves around **Magazines** that are published by **Publishers** and include **Articles** which are written by **Writers**, there are **Libraries** that may have those magazines which **Readers** buy from those magazines.

Relationships:

- Include (1-N): A magazine includes one or many articles, yet an article is only included in one magazine due to copyright laws.
- Written_By (M-N): An article is written by one or many writers, also the writer writes one or many articles.
- Publish (1-N): A Publisher publishes one or many magazines, yet a magazine is only published by one publisher due to copyright laws.
- Has (M-N): A library could have one or many magazines, also a magazine is had by one or many libraries.
- Buys_From (M-N): A reader buys from one or many libraries, and a library could have more than one reader buying from it.



Magazine

<u>Magazine_ID</u>	Title	Price	Category	Publisher_ID	Publish_Date
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Publisher

<u>Publisher_ID</u>	First_Name	Middle_Name	Last_Name	Email	Phone
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Library

<u>Library_ID</u>	Name	Stock	Phone
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Article

Article_ID	Header	Content	Magazine_ID
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Writer

<u>Writer_ID</u>	FirstName	MiddleName	LastName	Email	Phone
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Reader

<u>Reader_ID</u>	Email	phone	FirstName	MiddleName	LastName
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Written By

<u>Writer_ID</u>	<u>Article_ID</u>	Written_Date
------------------	-------------------	--------------

Has

<u>Magazine_ID</u>	<u>Library_ID</u>
--------------------	-------------------

Buys_From

<u>Reader_ID</u>	<u>Library_ID</u>	SoldQuantity
------------------	-------------------	--------------

Library_Location

<u>Library_ID</u>	<u>Location</u>
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