CREATE TABLE article( //we have articles, news

article\_id SERIAL, //each of them has own unique id

article\_title VARCHAR(255), //has title

article\_desc VARCHAR(255), //and little description

article\_author\_id INT, //each news is written by the author

article\_date DATE, //and unloaded on a specific date

article\_category\_id INT, //category like, politics,sport,life...

article\_section\_id INT NULL, //it may not take place and may take place in sections

article\_update\_date DATE NULL //and it can have a modified date

);

CREATE TABLE author( //authors profile

author\_id SERIAL,

author\_fname VARCHAR(255),

author\_lname VARCHAR(255),

author\_country VARCHAR(255),

author\_email VARCHAR(255),

author\_hire\_date DATE, //when the author started work

author\_quit\_date DATE, //and when he leaves work

redactor\_id INT //each author has an editor who checks his work and displays it on the site

);

CREATE TABLE redactor( //redactors profile

redactor\_id SERIAL,

redactor\_fname VARCHAR(255),

redactor\_lname VARCHAR(255)

);

CREATE TABLE ssection( //we have sections

section\_id SERIAL, //it has AI id

section\_name VARCHAR(255), //section has name like DAILY TOP NEWS or GLOBAL HOT NEWS

section\_description TEXT //a little explanation of what and what news is here

);

CREATE TABLE category( //we have categories

category\_id SERIAL,

category\_name VARCHAR(255)

);

CREATE TABLE multicontent( //these are the types of content that will be included in certain news

m\_type VARCHAR(50), //his type like video or image,or widget

m\_url VARCHAR(200), //url to this multimedia

article\_content\_id INT //news where he is

);

CREATE TABLE article\_content( //this table is where we will store what is inside article

article\_content\_id SERIAL, //unique id

article\_id INT, //ID of the article the content of which we will watch

article\_url VARCHAR(255), //Link to the article

article\_word\_number DECIMAL(12), //how many words are in the article

article\_keywords\_number DECIMAL(12) //how many keywords are in the article by which the article can be found

);

CREATE TABLE article\_stats( //certain article statistics

article\_stats\_id SERIAL, //stats id as primary key

article\_content\_id INT, //which article\_content we will check

article\_comments DECIMAL(12), //number of comments at this article

article\_views DECIMAL(12), //number of views

article\_likes DECIMAL(12), //number of likes

article\_chart\_position DECIMAL(12) //position in news chartss

);

CREATE TABLE commentt( //table for each comment

article\_stats\_id INT, //where did they write this comment

user\_id INT, //which user write

comment\_text TEXT, //comment itself

comment\_likes DECIMAL(12), //likes on comment

comment\_answers DECIMAL(12) //replies on comment

);

CREATE TABLE userr( //table which will store user datas

user\_id SERIAL, //user id

user\_login VARCHAR(12), //username of user

user\_password VARCHAR(12) //password of the user

);

CREATE TABLE ads( //a table where data on advertising on the site will be described

ad\_id SERIAL, //id of current ad

ad\_title VARCHAR(255), //ad title like, Coca-Cola or 3xBet

ad\_type VARCHAR(255), //the type of ad, video content, banner or widget

ad\_size VARCHAR(255), //what place will this ad take on the page

ad\_cost VARCHAR(255) //how much will be charged for showing ads

article\_content\_id INT //in which article it will be displayed

);

ALTER TABLE article ADD CONSTRAINT arPK PRIMARY KEY(article\_id); //adding primary keys

ALTER TABLE author ADD CONSTRAINT autPK PRIMARY KEY(author\_id);

ALTER TABLE redactor ADD CONSTRAINT redPK PRIMARY KEY(redactor\_id);

ALTER TABLE ssection ADD CONSTRAINT sectPK PRIMARY KEY(section\_id);

ALTER TABLE category ADD CONSTRAINT catPK PRIMARY KEY(category\_id);

ALTER TABLE article\_content ADD CONSTRAINT arcPK PRIMARY KEY(article\_content\_id);

ALTER TABLE article\_stats ADD CONSTRAINT arstPK PRIMARY KEY(article\_stats\_id);

ALTER TABLE userr ADD CONSTRAINT userPK PRIMARY KEY(user\_id);

ALTER TABLE article ADD CONSTRAINT arFK FOREIGN KEY(article\_author\_id) REFERENCES author(author\_id); //in 'article' table FK-s - author\_id,sectiod\_id,category\_id

ALTER TABLE article ADD CONSTRAINT arsFK FOREIGN KEY(article\_section\_id) REFERENCES ssection(section\_id);

ALTER TABLE article ADD CONSTRAINT arcFK FOREIGN KEY(article\_category\_id) REFERENCES category(category\_id);

ALTER TABLE author ADD CONSTRAINT auFK FOREIGN KEY(redactor\_id) REFERENCES redactor(redactor\_id); //in 'author' table FK - redactor\_id

ALTER TABLE multicontent ADD CONSTRAINT mFK FOREIGN KEY(article\_content\_id) REFERENCES article\_content(article\_content\_id); //in 'multicontent' FK - content\_id

ALTER TABLE article\_content ADD CONSTRAINT artFK FOREIGN KEY(article\_id) REFERENCES article(article\_id); //in 'content' table FK - article\_id

ALTER TABLE article\_stats ADD CONSTRAINT artsFK FOREIGN KEY(article\_content\_id) REFERENCES article\_content(article\_content\_id); //int 'stats' table FK - content\_id

ALTER TABLE commentt ADD CONSTRAINT comFK FOREIGN KEY(article\_stats\_id) REFERENCES article\_stats(article\_stats\_id); //in 'comment' table FK-s - stats\_id and user\_id

ALTER TABLE commentt ADD CONSTRAINT comuFK FOREIGN KEY(user\_id) REFERENCES userr(user\_id);

ALTER TABLE ads ADD CONSTRAINT adsFK FOREIGN KEY(article\_content\_id) REFERENCES article\_content(article\_content\_id); //in 'ads' table FK - content\_id