| Наименование таблицы | SQL – запрос |
| --- | --- |
| categories | CREATE TABLE `categories` (  `ID\_Categories` int(10) NOT NULL AUTO\_INCREMENT,  `C\_Name` varchar(20) NOT NULL,  `C\_Product\_qantity` int(20) NOT NULL,  `C\_ID\_Product` int(10) NOT NULL,  PRIMARY KEY (`ID\_Categories`),  KEY `C\_Product\_qantity` (`C\_Product\_qantity`),  KEY `C\_ID\_Product` (`C\_ID\_Product`),  KEY `categories\_ibfk\_1` (`C\_Product\_qantity`,`C\_ID\_Product`),  CONSTRAINT `categories\_ibfk\_1` FOREIGN KEY (`C\_Product\_qantity`, `C\_ID\_Product`) REFERENCES `product` (`T\_Product\_qantity`, `ID\_Product`)  ) ENGINE=InnoDB AUTO\_INCREMENT=8 DEFAULT CHARSET=cp1251; |
| maker | CREATE TABLE `maker` (  `ID\_Maker` int(10) NOT NULL AUTO\_INCREMENT,  `Country` varchar(20) NOT NULL,  `Brand` varchar(20) NOT NULL,  `Level\_of\_confidence` int(10) NOT NULL,  `price` int(10) NOT NULL,  PRIMARY KEY (`ID\_Maker`)  ) ENGINE=InnoDB AUTO\_INCREMENT=7 DEFAULT CHARSET=cp1251; |
| order | CREATE TABLE `order` (  `ID\_Order` int(10) NOT NULL AUTO\_INCREMENT,  `ID\_Product` int(10) NOT NULL,  PRIMARY KEY (`ID\_Order`),  KEY `ID\_Product` (`ID\_Product`),  CONSTRAINT `order\_ibfk\_1` FOREIGN KEY (`ID\_Product`) REFERENCES `product` (`ID\_Product`)  ) ENGINE=InnoDB AUTO\_INCREMENT=9 DEFAULT CHARSET=cp1251; |
| product | CREATE TABLE `product` (  `ID\_Product` int(10) NOT NULL AUTO\_INCREMENT,  `T\_ID\_Maker` int(10) NOT NULL,  `T\_Product\_qantity` int(20) NOT NULL,  `T\_Name` varchar(20) NOT NULL,  PRIMARY KEY (`ID\_Product`),  KEY `T\_Product\_qantity` (`T\_Product\_qantity`),  KEY `T\_ID\_Maker` (`T\_ID\_Maker`),  KEY `T\_Product\_qantity\_2` (`T\_Product\_qantity`,`ID\_Product`),  CONSTRAINT `product\_ibfk\_1` FOREIGN KEY (`T\_ID\_Maker`) REFERENCES `maker` (`ID\_Maker`)  ) ENGINE=InnoDB AUTO\_INCREMENT=7 DEFAULT CHARSET=cp1251; |
| user | CREATE TABLE `user` (  `ID\_USER` int(10) NOT NULL AUTO\_INCREMENT,  `SurName` varchar(20) NOT NULL,  `UsName` varchar(20) NOT NULL,  `DoB` date NOT NULL,  `NickName` varchar(20) NOT NULL, |

Продолжение таблицы

| Наименование таблицы | SQL – запрос |
| --- | --- |
|  | `U\_ID\_Order` int(10) NOT NULL,  PRIMARY KEY (`ID\_USER`),  KEY `U\_ID\_Order` (`U\_ID\_Order`),  CONSTRAINT `user\_ibfk\_1` FOREIGN KEY (`U\_ID\_Order`) REFERENCES `order` (`ID\_Order`)  ) ENGINE=InnoDB AUTO\_INCREMENT=11 DEFAULT CHARSET=cp1251; |

| Наименование запроса | SQL – запрос |
| --- | --- |
| Вывод информации наличия товара | SELECT  `order`.ID\_Order,  `order`.ID\_Product,  product.ID\_Product,  product.T\_ID\_Maker,  product.T\_Product\_qantity,  product.T\_Name  FROM  `order`  INNER JOIN  product  ON  `order`.ID\_Product = product.ID\_Product |
| Вывод информации о категориях товара | SELECT  `order`.ID\_Order,  `order`.ID\_Product,  product.ID\_Product,  product.T\_ID\_Maker,  product.T\_Name  FROM  `order`  INNER JOIN  product  ON  `order`.ID\_Product = product.ID\_Product |
| Вывод информации о заказах пользователей | SELECT  `user`.ID\_USER,  `user`.SurName,  `user`.UsName,  `user`.NickName,  `order`.ID\_Order,  product.T\_Name |

Продолжение таблицы

| Наименование таблицы | SQL – запрос |
| --- | --- |
|  | FROM  `user`  INNER JOIN  `order`  ON  `user`.U\_ID\_Order = `order`.ID\_Order  INNER JOIN  product  ON  `order`.ID\_Product = product.ID\_Product |