CREATE TABLE `channel` (

`channel\_id` varchar(255) NOT NULL,

`channel\_name` varchar(255) DEFAULT NULL,

`channel\_type` varchar(255) DEFAULT NULL,

`channel\_views` int DEFAULT NULL,

`channel\_description` text,

`channel\_status` varchar(255) DEFAULT NULL,

PRIMARY KEY (`channel\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci COMMENT='to save youtube Channel details'

CREATE TABLE `comments` (

`comment\_id` varchar(255) NOT NULL,

`video\_id` varchar(255) DEFAULT NULL,

`comment\_text` text,

`comment\_author` varchar(255) DEFAULT NULL,

`comment\_published\_date` varchar(255) DEFAULT NULL,

PRIMARY KEY (`comment\_id`),

KEY `video\_id` (`video\_id`),

CONSTRAINT `comments\_ibfk\_1` FOREIGN KEY (`video\_id`) REFERENCES `videos` (`video\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

CREATE TABLE `playlist` (

`playlist\_id` varchar(255) NOT NULL,

`channel\_id` varchar(255) DEFAULT NULL,

`playlist\_name` varchar(255) DEFAULT NULL,

PRIMARY KEY (`playlist\_id`),

KEY `playlist\_channel\_id\_idx` (`channel\_id`),

CONSTRAINT `playlist\_channel\_id` FOREIGN KEY (`channel\_id`) REFERENCES `channel` (`channel\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

CREATE TABLE `videos` (

`video\_id` varchar(255) NOT NULL,

`playlist\_id` varchar(255) DEFAULT NULL,

`video\_name` varchar(255) DEFAULT NULL,

`video\_description` varchar(5000) DEFAULT NULL,

`published\_date` varchar(50) DEFAULT NULL,

`view\_count` int DEFAULT NULL,

`like\_count` int DEFAULT NULL,

`dislike\_count` int DEFAULT NULL,

`favourite\_count` int DEFAULT NULL,

`comment\_count` int DEFAULT NULL,

`duration` varchar(20) DEFAULT NULL,

`thumbnail` varchar(255) DEFAULT NULL,

`caption\_status` varchar(255) DEFAULT NULL,

PRIMARY KEY (`video\_id`),

KEY `playlist\_id` (`playlist\_id`),

CONSTRAINT `videos\_ibfk\_1` FOREIGN KEY (`playlist\_id`) REFERENCES `playlist` (`playlist\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci