**Exploratory Data Analysis using SQL**

**Latest Submission Grade 40%**

**1.**

**Question 1**

Which of the following will retrieve the most recent date from the spacex table?

SELECT HIGHEST(Date) from SPACEXTBL

SELECT max(Date) from SPACEXTBL

SELECT MAXIMUM(Date) from SPACEXTBL **Incorrect**

SELECT DATE FROM SPACEXTBL WHERE DATE=MAX(DATE)

**2.**

**Question 2**

Which of the following queries display the minimum payload mass?

select payload\_mass\_\_kg\_ from SPACEXTBL order by payload\_mass\_\_kg\_ desc LIMIT 1

select payload\_mass\_\_kg\_ from SPACEXTBL where payload\_mass\_\_kg\_=(select max(payload\_mass\_\_kg\_) from SPACEXTBL) LIMIT 1

select min(payload\_mass\_\_kg\_) from SPACEXTBL **Correct**

select payload\_mass\_\_kg\_ from SPACEXTBL order by payload\_mass\_\_kg\_ group by booster\_version LIMIT 1

**3.**

**Question 3**

You are writing a query that will give you the total payload\_mass\_kg carried by the booster versions. The mass should be stored in the mass column. You want the result column to be called “Total\_Payload\_Mass”. Which of the following SQL queries is correct?

SELECT count(PAYLOAD\_MASS\_\_KG\_) as Total\_Payload\_Mass from SPACEXTBL **Incorrect**

SELECT sum(PAYLOAD\_MASS\_\_KG\_) as Total\_Payload\_Mass from SPACEXTBL

SELECT sum(PAYLOAD\_MASS\_\_KG\_) from SPACEXTBL

**4.**

**Question 4**

Which of the following query to display 5 records launched on Friday?

SELECT \* FROM SPACEXTBL where DAY(DATE)='Friday' LIMIT 5

SELECT \* FROM SPACEXTBL where DAYNAME(DATE)='Friday' LIMIT 5 **Correct**

**5.**

**Question 5**

What are the unique launch sites mentioned in the Spacex table?

CCAS LC-40,KSC LC-39A

CCAFS LC-40,KSC LC-39B

None of the Above **Incorrect**

CCAFS LC-40,KSC LC-39A