**6)Give three real life example of Standard Deviation and variance**

**Ans:-1**

**3 real life example of Standard Deviation and variance :-**

### **Healthcare :-** Actuaries calculate standard deviation of healthcare usage so they can know how much variation in usage to expect in a given month, quarter, or year.

### **Weather Forecasting :-** A weatherman who works in a city with a small standard deviation in temperatures year-round can confidently predict what the weather will be on a given day since temperatures don’t vary much from one day to the next.

### **Test Scores:-** Professors can calculate the standard deviation of test scores on a final exam to better understand whether most students score close to the average or if there is a wide spread in test scores.