```
/*=====================================================
   IMPORTING AND VIEWING OF DATASET
=====================================================*/
proc import datafile="/home/u64153637/heart_failure_clinical_records_dataset.csv" /* Path of CSV file */
    out=mydata /*naming the dataset*/
    dbms=csv /*type of dataset uploaded */
    replace; /*overwrites the dataset if it exists*/
    guessingrows=max; /* checks all rows to guess column types correctly */
    GETNAMES=YES;  /* Use first row as variable names */
    DATAROW=2;     /* Start reading data from row 2 if first row has headers */
run;
proc contents data=mydata; /*gives a detailed description of the dataset structure. data=mydata: Tells SAS which dataset to d
run;
proc print data=mydata (obs=10);/*displays the actual data in tabular form. (obs=10) → prints the first 10 rows*/
run;

/*=====================================================
   UNADJUSTED KAPLAN-MEIER CURVE
   Survival by High Blood Pressure (no other covariates)
=====================================================*/
proc lifetest data=mydata plots=survival(atrisk(maxlen=13 outside) test)notable;
    time time*DEATH_EVENT(0);               /* time variable, censoring */
    strata high_blood_pressure;             /* compare groups */
    title "Unadjusted Kaplan-Meier Survival Curves by High Blood Pressure";
    ods graphics / width=800px height=600px imagename="KM_Curve";
run;

/*=====================================================
   ADJUSTED COX PROPORTIONAL HAZARDS MODEL
   Adjusting for other patient characteristics
=====================================================*/
proc phreg data=mydata;
    class high_blood_pressure;
    model time*DEATH_EVENT(0) = high_blood_pressure
                                age
                                ejection_fraction
                                serum_creatinine
                                anaemia
                                creatinine_phosphokinase
                                serum_sodium;
    hazardratio 'Effect of High BP' high_blood_pressure;
    baseline out=cox_adj_surv survival=SurvProb / group=high_blood_pressure method=pl;
    title "Adjusted Cox Survival Curves by hign BP";
run;
```