

## Assignment Umair Amjad 46462252

q3

```
mr_dat = read.table("surg.dat", header = TRUE)
mylm = lm(survival ~ ., data = mr_dat)
summary(mylm)

##
## Call:
## lm(formula = survival ~ ., data = mr_dat)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -388.25 -147.61   11.72  124.67  954.44
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -1179.1889   283.8232  -4.155 0.000136 ***
## blood        86.6437    27.4920   3.152 0.002825 **
## prognosis     8.5013     2.1601   3.936 0.000273 ***
## enzyme       11.1246     1.9820   5.613 1.03e-06 ***
## liver        38.5068    51.7967   0.743 0.460926
## age          -2.3409     3.0141  -0.777 0.441257
## genderM      -0.2201    67.5146  -0.003 0.997413
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 233.1 on 47 degrees of freedom
## Multiple R-squared:  0.695, Adjusted R-squared:  0.656
## F-statistic: 17.85 on 6 and 47 DF, p-value: 1.19e-10

shfahshasfhash
```