## Question1

## Step1:

mpg	cylinders	displacement	horsepower	weight	acceleration	model_year	origin
1.000000	-0.775396	-0.804203	-0.773453	-0.831741	0.420289	0.579267	0.563450
-0.775396	1.000000	0.950721	0.841284	0.896017	-0.505419	-0.348746	-0.562543
-0.804203	0.950721	1.000000	0.895778	0.932824	-0.543684	-0.370164	-0.609409
-0.773453	0.841284	0.895778	1.000000	0.862442	-0.686590	-0.413733	-0.452096
-0.831741	0.896017	0.932824	0.862442	1.000000	-0.417457	-0.306564	-0.581024
0.420289	-0.505419	-0.543684	-0.686590	-0.417457	1.000000	0.288137	0.205873
0.579267	-0.348746	-0.370164	-0.413733	-0.306564	0.288137	1.000000	0.180662
0.563450	-0.562543	-0.609409	-0.452096	-0.581024	0.205873	0.180662	1.000000
	1.000000 -0.775396 -0.804203 -0.773453 -0.831741 0.420289 0.579267	1.000000 -0.775396 -0.775396 1.000000 -0.804203 0.950721 -0.773453 0.841284 -0.831741 0.896017 0.420289 -0.505419 0.579267 -0.348746	1.000000 -0.775396 -0.804203 -0.775396 1.000000 0.950721 -0.804203 0.950721 1.000000 -0.773453 0.841284 0.895778 -0.831741 0.896017 0.932824 0.420289 -0.505419 -0.543684 0.579267 -0.348746 -0.370164	1.000000 -0.775396 -0.804203 -0.773453 -0.775396 1.000000 0.950721 0.841284 -0.804203 0.950721 1.000000 0.895778 -0.773453 0.841284 0.895778 1.000000 -0.831741 0.896017 0.932824 0.862442 0.420289 -0.505419 -0.543684 -0.686590 0.579267 -0.348746 -0.370164 -0.413733	1.000000 -0.775396     -0.804203     -0.773453     -0.831741       -0.775396     1.000000     0.950721     0.841284     0.896017       -0.804203     0.950721     1.000000     0.895778     0.932824       -0.773453     0.841284     0.895778     1.000000     0.862442       -0.831741     0.896017     0.932824     0.862442     1.000000       0.420289     -0.505419     -0.543684     -0.686590     -0.417457       0.579267     -0.348746     -0.370164     -0.413733     -0.306564	1.000000 -0.775396       -0.804203       -0.773453       -0.831741       0.420289         -0.775396       1.000000       0.950721       0.841284       0.896017       -0.505419         -0.804203       0.950721       1.000000       0.895778       0.932824       -0.543684         -0.773453       0.841284       0.895778       1.000000       0.862442       -0.686590         -0.831741       0.896017       0.932824       0.862442       1.000000       -0.417457         0.420289       -0.505419       -0.543684       -0.686590       -0.417457       1.000000         0.579267       -0.348746       -0.370164       -0.413733       -0.306564       0.288137	1.000000         -0.775396         -0.804203         -0.773453         -0.831741         0.420289         0.579267           -0.775396         1.000000         0.950721         0.841284         0.896017         -0.505419         -0.348746           -0.804203         0.950721         1.000000         0.895778         0.932824         -0.543684         -0.370164           -0.773453         0.841284         0.895778         1.000000         0.862442         -0.686590         -0.413733           -0.831741         0.896017         0.932824         0.862442         1.000000         -0.417457         -0.306564           0.420289         -0.505419         -0.543684         -0.686590         -0.417457         1.000000         0.288137           0.579267         -0.348746         -0.370164         -0.413733         -0.306564         0.288137         1.000000

#### Step2:

	pc1	pc2
0	543.692090	51.046890
1	737.597223	79.416262
2	478.223494	75.668525
3	473,659818	62.795232
4	488.921154	gnme g018148

# https://powcoder.com

#### Question2:

Questi	10112.		
	Gender		RiskCategory
0	М	0. <b>A</b>	do4-W16
1	F	0.82	(0.73-0.99]
2	Μ	0.56	[0.24-0.73]
3	F	0.24	[0.11-0.24]
4	Μ	0.99	(0.73-0.99]
5	F	0.14	[0.11-0.24]
6	Μ	0.72	[0.24-0.73]
7	F	0.81	(0.73-0.99]
8	Μ	0.26	[0.24-0.73]
9	F	0.11	[0.11-0.24]
10	Μ	0.73	[0.24-0.73]
11	F	0.86	(0.73-0.99]