

NAME : SUDARSHAN TIPARE

PRN : 202201070061

ROLL NO: 767

DIV: G4

Lab Assignment:

Take/Prepare any text files for any real life application. For Ex. "Stud.txt", ,
'Placement.csv" and "Result.csv" files for result Analysis. Combine into
"StudentDetails.csv". Perform all statistical analysis (Average, Max, Min, Count,
Sum, Percentage) on it

1. Read Student Info File

```
# Read File file-open( '
student_info.csv', 'r' )
info_dataset=[]
while True:
    data=file . readline()
    if data:
        info_dataset . append (data . replace
("\n", ''))
    else:
        break
print
(info_dataset)
```

```
[ [' Roll No. ', 'Name', 'Gender', 'DOB'], [' 101 ', ' Rahul', '08-04-1991'], [' 102 ',
' Aditya', 'Male', '12-03-1990'], [' 103 ', 'Omkar', '03-09-1990'], [' 104 ', '
Abhije', '12-11-1989'], [' 105 ', 'Pooja', 'Female', '07-02-1990'], [' 106 ', 'Shruti', 'Female', '08-06-1991'],
[' 107 ', 'Nikita', 'Female', '21-07-1992'], [' 108 ', 'Ganesh', 'Male', '04-09-1990'], [' 109 ', 'Mayuri', 'Female', '14-05-1988'], [' 110 ', 'Shrikant', 'Male', '05-03-1990'], [' 111 ', 'Ananya', 'Female', '01-01-1995'], [' 112 ', 'Rishabh', 'Male', '10-12-1993'], [' 113 ', 'Ishika', 'Female', '09-08-1994'], [' 114 ', 'Arjun', 'Male', '02-02-1996'], [' 115 ', 'Priya', 'Female', '15-06-1997'], [' 116 ', 'Vishal', 'Male', '03-01-1998'], [' 117 ', 'Sneha', 'Female', '12-09-1999'], [' 118 ', 'Ravi', 'Male', '07-04-2000'], [' 119 ', 'Anjali', 'Female', '20-03-2001'], [' 120 ', 'Adarsh', 'Male', '01-01-2002'], [' 121 ', 'Smita', 'Female', '18-05-2003'], [' 122 ', 'Nikhil', 'Male', '09-07-2004'], [' 123 ', 'Rhea', 'Female', '25-10-2005'], [' 124 ', 'Aryan', 'Male', '11-02-2006'], [' 125 ', 'Sanya', 'Female', '04-08-2007'], [' 126 ', 'Ishaan', 'Male', '22-01-2008'], [' 127 ', 'Anshika', 'Female', '06-04-2009'], [' 128 ', 'Vikram', 'Male', '13-07-2010'], [' 129 ', 'Srishti', 'Female', '01-11-2011'], [' 130 ', 'Rohit', 'Male', '08-03-2012'], [' 131 ', 'Siddhi', 'Female', '19-06-2013'], [' 132 ', 'Adityan', 'Male', '05-09-2014'], [' 133 ', 'Sneha', 'Female', '27-12-2015'], [' 134 ', 'Arjun', 'Male', '10-05-2016'], [' 135 ', 'Sanya', 'Female', '03-08-2017'], [' 136 ', 'Ishaan', 'Male', '16-11-2018'], [' 137 ', 'Anshika', 'Female', '29-02-2019'], [' 138 ', 'Vikram', 'Male', '11-05-2020'], [' 139 ', 'Srishti', 'Female', '04-08-2021'], [' 140 ', 'Rohit', 'Male', '17-11-2022'], [' 141 ', 'Siddhi', 'Female', '30-01-2023'], [' 142 ', 'Adityan', 'Male', '12-04-2024'], [' 143 ', 'Sneha', 'Female', '25-07-2025'], [' 144 ', 'Arjun', 'Male', '08-10-2026'], [' 145 ', 'Sanya', 'Female', '21-01-2027'], [' 146 ', 'Ishaan', 'Male', '04-04-2028'], [' 147 ', 'Anshika', 'Female', '17-07-2029'], [' 148 ', 'Vikram', 'Male', '30-10-2030'], [' 149 ', 'Srishti', 'Female', '12-01-2031'], [' 150 ', 'Rohit', 'Male', '25-04-2032'], [' 151 ', 'Siddhi', 'Female', '08-07-2033'], [' 152 ', 'Adityan', 'Male', '21-10-2034'], [' 153 ', 'Sneha', 'Female', '04-01-2035'], [' 154 ', 'Arjun', 'Male', '17-04-2036'], [' 155 ', 'Sanya', 'Female', '30-07-2037'], [' 156 ', 'Ishaan', 'Male', '12-10-2038'], [' 157 ', 'Anshika', 'Female', '25-01-2039'], [' 158 ', 'Vikram', 'Male', '08-04-2040'], [' 159 ', 'Srishti', 'Female', '21-07-2041'], [' 160 ', 'Rohit', 'Male', '04-10-2042'], [' 161 ', 'Siddhi', 'Female', '17-01-2043'], [' 162 ', 'Adityan', 'Male', '30-04-2044'], [' 163 ', 'Sneha', 'Female', '12-07-2045'], [' 164 ', 'Arjun', 'Male', '25-10-2046'], [' 165 ', 'Sanya', 'Female', '08-01-2047'], [' 166 ', 'Ishaan', 'Male', '21-04-2048'], [' 167 ', 'Anshika', 'Female', '04-07-2049'], [' 168 ', 'Vikram', 'Male', '17-10-2050'], [' 169 ', 'Srishti', 'Female', '30-01-2051'], [' 170 ', 'Rohit', 'Male', '12-04-2052'], [' 171 ', 'Siddhi', 'Female', '25-07-2053'], [' 172 ', 'Adityan', 'Male', '08-10-2054'], [' 173 ', 'Sneha', 'Female', '21-01-2055'], [' 174 ', 'Arjun', 'Male', '04-04-2056'], [' 175 ', 'Sanya', 'Female', '17-07-2057'], [' 176 ', 'Ishaan', 'Male', '30-10-2058'], [' 177 ', 'Anshika', 'Female', '12-01-2059'], [' 178 ', 'Vikram', 'Male', '25-04-2060'], [' 179 ', 'Srishti', 'Female', '08-07-2061'], [' 180 ', 'Rohit', 'Male', '21-10-2062'], [' 181 ', 'Siddhi', 'Female', '04-01-2063'], [' 182 ', 'Adityan', 'Male', '17-04-2064'], [' 183 ', 'Sneha', 'Female', '30-07-2065'], [' 184 ', 'Arjun', 'Male', '12-10-2066'], [' 185 ', 'Sanya', 'Female', '25-01-2067'], [' 186 ', 'Ishaan', 'Male', '08-04-2068'], [' 187 ', 'Anshika', 'Female', '21-07-2069'], [' 188 ', 'Vikram', 'Male', '04-10-2070'], [' 189 ', 'Srishti', 'Female', '17-01-2071'], [' 190 ', 'Rohit', 'Male', '30-04-2072'], [' 191 ', 'Siddhi', 'Female', '12-07-2073'], [' 192 ', 'Adityan', 'Male', '25-10-2074'], [' 193 ', 'Sneha', 'Female', '08-01-2075'], [' 194 ', 'Arjun', 'Male', '21-04-2076'], [' 195 ', 'Sanya', 'Female', '04-07-2077'], [' 196 ', 'Ishaan', 'Male', '17-10-2078'], [' 197 ', 'Anshika', 'Female', '30-01-2079'], [' 198 ', 'Vikram', 'Male', '12-04-2080'], [' 199 ', 'Srishti', 'Female', '25-07-2081'], [' 200 ', 'Rohit', 'Male', '08-10-2082'], [' 201 ', 'Siddhi', 'Female', '21-01-2083'], [' 202 ', 'Adityan', 'Male', '04-04-2084'], [' 203 ', 'Sneha', 'Female', '17-07-2085'], [' 204 ', 'Arjun', 'Male', '30-10-2086'], [' 205 ', 'Sanya', 'Female', '12-01-2087'], [' 206 ', 'Ishaan', 'Male', '25-04-2088'], [' 207 ', 'Anshika', 'Female', '08-07-2089'], [' 208 ', 'Vikram', 'Male', '21-10-2090'], [' 209 ', 'Srishti', 'Female', '04-01-2091'], [' 210 ', 'Rohit', 'Male', '17-04-2092'], [' 211 ', 'Siddhi', 'Female', '30-07-2093'], [' 212 ', 'Adityan', 'Male', '12-10-2094'], [' 213 ', 'Sneha', 'Female', '25-01-2095'], [' 214 ', 'Arjun', 'Male', '08-04-2096'], [' 215 ', 'Sanya', 'Female', '21-07-2097'], [' 216 ', 'Ishaan', 'Male', '04-10-2098'], [' 217 ', 'Anshika', 'Female', '17-01-2099'], [' 218 ', 'Vikram', 'Male', '30-04-2100'], [' 219 ', 'Srishti', 'Female', '12-07-2101'], [' 220 ', 'Rohit', 'Male', '25-10-2102'], [' 221 ', 'Siddhi', 'Female', '08-01-2103'], [' 222 ', 'Adityan', 'Male', '21-04-2104'], [' 223 ', 'Sneha', 'Female', '04-07-2105'], [' 224 ', 'Arjun', 'Male', '17-10-2106'], [' 225 ', 'Sanya', 'Female', '30-01-2107'], [' 226 ', 'Ishaan', 'Male', '12-04-2108'], [' 227 ', 'Anshika', 'Female', '25-07-2109'], [' 228 ', 'Vikram', 'Male', '08-10-2110'], [' 229 ', 'Srishti', 'Female', '21-01-2111'], [' 230 ', 'Rohit', 'Male', '04-04-2112'], [' 231 ', 'Siddhi', 'Female', '17-07-2113'], [' 232 ', 'Adityan', 'Male', '30-10-2114'], [' 233 ', 'Sneha', 'Female', '12-01-2115'], [' 234 ', 'Arjun', 'Male', '25-04-2116'], [' 235 ', 'Sanya', 'Female', '08-07-2117'], [' 236 ', 'Ishaan', 'Male', '21-10-2118'], [' 237 ', 'Anshika', 'Female', '04-01-2119'], [' 238 ', 'Vikram', 'Male', '17-04-2120'], [' 239 ', 'Srishti', 'Female', '30-07-2121'], [' 240 ', 'Rohit', 'Male', '12-10-2122'], [' 241 ', 'Siddhi', 'Female', '25-01-2123'], [' 242 ', 'Adityan', 'Male', '08-04-2124'], [' 243 ', 'Sneha', 'Female', '21-07-2125'], [' 244 ', 'Arjun', 'Male', '04-10-2126'], [' 245 ', 'Sanya', 'Female', '17-01-2127'], [' 246 ', 'Ishaan', 'Male', '30-04-2128'], [' 247 ', 'Anshika', 'Female', '12-07-2129'], [' 248 ', 'Vikram', 'Male', '25-10-2130'], [' 249 ', 'Srishti', 'Female', '08-01-2131'], [' 250 ', 'Rohit', 'Male', '21-04-2132'], [' 251 ', 'Siddhi', 'Female', '04-07-2133'], [' 252 ', 'Adityan', 'Male', '17-10-2134'], [' 253 ', 'Sneha', 'Female', '30-01-2135'], [' 254 ', 'Arjun', 'Male', '12-04-2136'], [' 255 ', 'Sanya', 'Female', '25-07-2137'], [' 256 ', 'Ishaan', 'Male', '08-10-2138'], [' 257 ', 'Anshika', 'Female', '21-01-2139'], [' 258 ', 'Vikram', 'Male', '04-04-2140'], [' 259 ', 'Srishti', 'Female', '17-07-2141'], [' 260 ', 'Rohit', 'Male', '30-10-2142'], [' 261 ', 'Siddhi', 'Female', '12-01-2143'], [' 262 ', 'Adityan', 'Male', '25-04-2144'], [' 263 ', 'Sneha', 'Female', '08-07-2145'], [' 264 ', 'Arjun', 'Male', '21-10-2146'], [' 265 ', 'Sanya', 'Female', '04-01-2147'], [' 266 ', 'Ishaan', 'Male', '17-04-2148'], [' 267 ', 'Anshika', 'Female', '30-07-2149'], [' 268 ', 'Vikram', 'Male', '12-10-2150'], [' 269 ', 'Srishti', 'Female', '25-01-2151'], [' 270 ', 'Rohit', 'Male', '08-04-2152'], [' 271 ', 'Siddhi', 'Female', '21-07-2153'], [' 272 ', 'Adityan', 'Male', '04-10-2154'], [' 273 ', 'Sneha', 'Female', '17-01-2155'], [' 274 ', 'Arjun', 'Male', '30-04-2156'], [' 275 ', 'Sanya', 'Female', '12-07-2157'], [' 276 ', 'Ishaan', 'Male', '25-10-2158'], [' 277 ', 'Anshika', 'Female', '08-01-2159'], [' 278 ', 'Vikram', 'Male', '21-04-2160'], [' 279 ', 'Srishti', 'Female', '04-07-2161'], [' 280 ', 'Rohit', 'Male', '17-10-2162'], [' 281 ', 'Siddhi', 'Female', '30-01-2163'], [' 282 ', 'Adityan', 'Male', '12-04-2164'], [' 283 ', 'Sneha', 'Female', '25-07-2165'], [' 284 ', 'Arjun', 'Male', '08-10-2166'], [' 285 ', 'Sanya', 'Female', '21-01-2167'], [' 286 ', 'Ishaan', 'Male', '04-04-2168'], [' 287 ', 'Anshika', 'Female', '17-07-2169'], [' 288 ', 'Vikram', 'Male', '30-10-2170'], [' 289 ', 'Srishti', 'Female', '12-01-2171'], [' 290 ', 'Rohit', 'Male', '25-04-2172'], [' 291 ', 'Siddhi', 'Female', '08-07-2173'], [' 292 ', 'Adityan', 'Male', '21-10-2174'], [' 293 ', 'Sneha', 'Female', '04-01-2175'], [' 294 ', 'Arjun', 'Male', '17-04-2176'], [' 295 ', 'Sanya', 'Female', '30-07-2177'], [' 296 ', 'Ishaan', 'Male', '12-10-2178'], [' 297 ', 'Anshika', 'Female', '25-01-2179'], [' 298 ', 'Vikram', 'Male', '08-04-2180'], [' 299 ', 'Srishti', 'Female', '21-07-2181'], [' 300 ', 'Rohit', 'Male', '04-10-2182'], [' 301 ', 'Siddhi', 'Female', '17-01-2183'], [' 302 ', 'Adityan', 'Male', '30-04-2184'], [' 303 ', 'Sneha', 'Female', '12-07-2185'], [' 304 ', 'Arjun', 'Male', '25-10-2186'], [' 305 ', 'Sanya', 'Female', '08-01-2187'], [' 306 ', 'Ishaan', 'Male', '21-04-2188'], [' 307 ', 'Anshika', 'Female', '04-07-2189'], [' 308 ', 'Vikram', 'Male', '17-10-2190'], [' 309 ', 'Srishti', 'Female', '30-01-2191'], [' 310 ', 'Rohit', 'Male', '12-04-2192'], [' 311 ', 'Siddhi', 'Female', '25-07-2193'], [' 312 ', 'Adityan', 'Male', '08-10-2194'], [' 313 ', 'Sneha', 'Female', '21-01-2195'], [' 314 ', 'Arjun', 'Male', '04-04-2196'], [' 315 ', 'Sanya', 'Female', '17-07-2197'], [' 316 ', 'Ishaan', 'Male', '30-10-2198'], [' 317 ', 'Anshika', 'Female', '12-01-2199'], [' 318 ', 'Vikram', 'Male', '25-04-2200'], [' 319 ', 'Srishti', 'Female', '08-07-2201'], [' 320 ', 'Rohit', 'Male', '21-10-2202'], [' 321 ', 'Siddhi', 'Female', '04-01-2203'], [' 322 ', 'Adityan', 'Male', '17-04-2204'], [' 323 ', 'Sneha', 'Female', '30-07-2205'], [' 324 ', 'Arjun', 'Male', '12-10-2206'], [' 325 ', 'Sanya', 'Female', '25-01-2207'], [' 326 ', 'Ishaan', 'Male', '08-04-2208'], [' 327 ', 'Anshika', 'Female', '21-07-2209'], [' 328 ', 'Vikram', 'Male', '04-10-2210'], [' 329 ', 'Srishti', 'Female', '17-01-2211'], [' 330 ', 'Rohit', 'Male', '30-04-2212'], [' 331 ', 'Siddhi', 'Female', '12-07-2213'], [' 332 ', 'Adityan', 'Male', '25-10-2214'], [' 333 ', 'Sneha', 'Female', '08-01-2215'], [' 334 ', 'Arjun', 'Male', '21-04-2216'], [' 335 ', 'Sanya', 'Female', '04-07-2217'], [' 336 ', 'Ishaan', 'Male', '17-10-2218'], [' 337 ', 'Anshika', 'Female', '30-01-2219'], [' 338 ', 'Vikram', 'Male', '12-04-2220'], [' 339 ', 'Srishti', 'Female', '25-07-2221'], [' 340 ', 'Rohit', 'Male', '08-10-2222'], [' 341 ', 'Siddhi', 'Female', '21-01-2223'], [' 342 ', 'Adityan', 'Male', '04-04-2224'], [' 343 ', 'Sneha', 'Female', '17-07-2225'], [' 344 ', 'Arjun', 'Male', '30-10-2226'], [' 345 ', 'Sanya', 'Female', '12-01-2227'], [' 346 ', 'Ishaan', 'Male', '25-04-2228'], [' 347 ', 'Anshika', 'Female', '08-07-2229'], [' 348 ', 'Vikram', 'Male', '21-10-2230'], [' 349 ', 'Srishti', 'Female', '04-01-2231'], [' 350 ', 'Rohit', 'Male', '17-04-2232'], [' 351 ', 'Siddhi', 'Female', '30-07-2233'], [' 352 ', 'Adityan', 'Male', '12-10-2234'], [' 353 ', 'Sneha', 'Female', '25-01-2235'], [' 354 ', 'Arjun', 'Male', '08-04-2236'], [' 355 ', 'Sanya', 'Female', '21-07-2237'], [' 356 ', 'Ishaan', 'Male', '04-10-2238'], [' 357 ', 'Anshika', 'Female', '17-01-2239'], [' 358 ', 'Vikram', 'Male', '30-04-2240'], [' 359 ', 'Srishti', 'Female', '12-07-2241'], [' 360 ', 'Rohit', 'Male', '25-10-2242'], [' 361 ', 'Siddhi', 'Female', '08-01-2243'], [' 362 ', 'Adityan', 'Male', '21-04-2244'], [' 363 ', 'Sneha', 'Female', '04-07-2245'], [' 364 ', 'Arjun', 'Male', '17-10-2246'], [' 365 ', 'Sanya', 'Female', '30-01-2247'], [' 366 ', 'Ishaan', 'Male', '12-04-2248'], [' 367 ', 'Anshika', 'Female', '25-07-2249'], [' 368 ', 'Vikram', 'Male', '08-10-2250'], [' 369 ', 'Srishti', 'Female', '21-01-2251'], [' 370 ', 'Rohit', 'Male', '04-04-2252'], [' 371 ', 'Siddhi', 'Female', '17-07-2253'], [' 372 ', 'Adityan', 'Male', '30-10-2254'], [' 373 ', 'Sneha', 'Female', '12-01-2255'], [' 374 ', 'Arjun', 'Male', '25-04-2256'], [' 375 ', 'Sanya', 'Female', '08-07-2257'], [' 376 ', 'Ishaan', 'Male', '21-10-2258'], [' 377 ', 'Anshika', 'Female', '04-01-2259'], [' 378 ', 'Vikram', 'Male', '17-04-2260'], [' 379 ', 'Srishti', 'Female', '30-07-2261'], [' 380 ', 'Rohit', 'Male', '12-10-2262'], [' 381 ', 'Siddhi', 'Female', '25-01-2263'], [' 382 ', 'Adityan', 'Male', '08-04-2264'], [' 383 ', 'Sneha', 'Female', '21-07-2265'], [' 384 ', 'Arjun', 'Male', '04-10-2266'], [' 385 ', 'Sanya', 'Female', '17-01-2267'], [' 386 ', 'Ishaan', 'Male', '30-04-2268'], [' 387 ', 'Anshika', 'Female', '12-07-2269'], [' 388 ', 'Vikram', 'Male', '25-10-2270'], [' 389 ', 'Srishti', 'Female', '08-01-2271'], [' 390 ', 'Rohit', 'Male', '21-04-2272'], [' 391 ', 'Siddhi', 'Female', '04-07-2273'], [' 392 ', 'Adityan', 'Male', '17-10-2274'], [' 393 ', 'Sneha', 'Female', '30-01-2275'], [' 394 ', 'Arjun', 'Male', '12-04-2276'], [' 395 ', 'Sanya', 'Female', '25-07-2277'], [' 396 ', 'Ishaan', 'Male', '08-10-2278'], [' 397 ', 'Anshika', 'Female', '21-01-2279'], [' 398 ', 'Vikram', 'Male', '04-04-2280'], [' 399 ', 'Srishti', 'Female', '17-07-2281'], [' 400 ', 'Rohit', 'Male', '30-10-2282'], [' 401 ', 'Siddhi', 'Female', '12-01-2283'], [' 402 ', 'Adityan', 'Male', '25-04-2284'], [' 403 ', 'Sneha', 'Female', '08-07-2285'], [' 404 ', 'Arjun', 'Male', '21-10-2286'], [' 405 ', 'Sanya', 'Female', '04-01-2287'], [' 406 ', 'Ishaan', 'Male', '17-04-2288'], [' 407 ', 'Anshika', 'Female', '30-07-2289'], [' 408 ', 'Vikram', 'Male', '12-10-2290'], [' 409 ', 'Srishti', 'Female', '25-01-2291'], [' 410 ', 'Rohit', 'Male', '08-04-2292'], [' 411 ', 'Siddhi', 'Female', '21-07-2293'], [' 412 ', 'Adityan', 'Male', '04-10-2294'], [' 413 ', 'Sneha', 'Female', '17-01-2295'], [' 414 ', 'Arjun', 'Male', '30-04-2296'], [' 415 ', 'Sanya', 'Female', '12-07-2297'], [' 416 ', 'Ishaan', 'Male', '25-10-2298'], [' 417 ', 'Anshika', 'Female', '08-01-2299'], [' 418 ', 'Vikram', 'Male', '21-04-2300'], [' 419 ', 'Srishti', 'Female', '04-07-2301'], [' 420 ', 'Rohit', 'Male', '17-10-2302'], [' 421 ', 'Siddhi', 'Female', '30-01-2303'], [' 422 ', 'Adityan', 'Male', '12-04-2304'], [' 423 ', 'Sneha', 'Female', '25-07-2305'], [' 424 ', 'Arjun', 'Male', '08-10-2306'], [' 425 ', 'Sanya', 'Female', '21-01-2307'], [' 426 ', 'Ishaan', 'Male', '04-04-2308'], [' 427 ', 'Anshika', 'Female', '17-07-2309'], [' 428 ', 'Vikram', 'Male', '30-10-2310'], [' 429 ', 'Srishti', 'Female', '12-01-2311'], [' 430 ', 'Rohit', 'Male', '25-04-2312'], [' 431 ', 'Siddhi', 'Female', '08-07-2313'], [' 432 ', 'Adityan', 'Male', '21-10-2314'], [' 433 ', 'Sneha', 'Female', '04-01-2315'], [' 434 ', 'Arjun', 'Male', '17-04-2316'], [' 435 ', 'Sanya', 'Female', '30-07-2317'], [' 436 ', 'Ishaan', 'Male', '12-10-2318'], [' 437 ', 'Anshika', 'Female', '25-01-2319'], [' 438 ', 'Vikram', 'Male', '08-04-2320'], [' 439 ', 'Srishti', 'Female', '21-07-2321'], [' 440 ', 'Rohit', 'Male', '04-10-2322'], [' 441 ', 'Siddhi', 'Female', '17-01-2323'], [' 442 ', 'Adityan', 'Male', '30-04-2324'], [' 443 ', 'Sneha', 'Female', '12-07-2325'], [' 444 ', 'Arjun', 'Male', '25-10-2326'], [' 445 ', 'Sanya', 'Female', '08-01-2327'], [' 446 ', 'Ishaan', 'Male', '21-04-2328'], [' 447 ', 'Anshika', 'Female', '04-07-2329'], [' 448 ', 'Vikram', 'Male', '17-10-2330'], [' 449 ', 'Srishti', 'Female', '30-01-2331'], [' 450 ', 'Rohit', 'Male', '12-04-2332'], [' 451 ', 'Siddhi', 'Female', '25-07-2333'], [' 452 ', 'Adityan', 'Male', '08-10-2334'], [' 453 ', 'Sneha', 'Female', '21-01-2335'], [' 454 ', 'Arjun', 'Male', '04-04-2336'], [' 455 ', 'Sanya', 'Female', '17-07-2337'], [' 456 ', 'Ishaan', 'Male', '30-10-2338'], [' 457 ', 'Anshika', 'Female', '12-01-2339'], [' 458 ', 'Vikram', 'Male', '25-04-2340'], [' 459 ', 'Srishti', 'Female', '08-07-2341'], [' 460 ', 'Rohit', 'Male', '21-10-2342'], [' 461 ', 'Siddhi', 'Female', '04-01-2343'], [' 462 ', 'Adityan', 'Male', '17-04-2344'], [' 463 ', 'Sneha', 'Female', '30-07-2345'], [' 464 ', 'Arjun', 'Male', '12-10-2346'], [' 465 ', 'Sanya', 'Female', '25-01-2347'], [' 466 ', 'Ishaan', 'Male', '08-04-2348'], [' 467 ', 'Anshika', 'Female', '21-07-2349'], [' 468 ', 'Vikram', 'Male', '04-10-2350'], [' 469 ', 'Srishti', 'Female', '17-01-2351'], [' 470 ', 'Rohit', 'Male', '30-04-2352'], [' 471 ', 'Siddhi', 'Female', '12-07-2353'], [' 472 ', 'Adityan', 'Male', '25-10-2354'], [' 473 ', 'Sneha', 'Female', '08-01-2355'], [' 474 ', 'Arjun', 'Male', '21-04-2356'], [' 475 ', 'Sanya', 'Female', '04-07-2357'], [' 476 ', 'Ishaan', 'Male', '17-10-2358'], [' 477 ', 'Anshika', 'Female', '30-01-2359'], [' 478 ', 'Vikram', 'Male', '12-04-2360'], [' 479 ', 'Srishti', 'Female', '25-07-2361'], [' 480 ', 'Rohit', 'Male', '08-10-2362'], [' 481 ', 'Siddhi', 'Female', '21-01-2363'], [' 482 ', 'Adityan', 'Male', '04-04-2364'], [' 483 ', 'Sneha', 'Female', '17-07-2365'], [' 484 ', 'Arjun', 'Male', '30-10-2366'], [' 485 ', 'Sanya', 'Female', '12-01-2367'], [' 486 ', 'Ishaan', 'Male', '25-04-2368'], [' 487 ', 'Anshika', 'Female', '08-07-2369'], [' 488 ', 'Vikram', 'Male', '21-10-2370'], [' 489 ', 'Srishti', 'Female', '04-01-2371'], [' 490 ', 'Rohit', 'Male', '17-04-2372'], [' 491 ', 'Siddhi', 'Female', '30-07-2373'], [' 492 ', 'Adityan', 'Male', '12-10-2374'], [' 493 ', 'Sneha', 'Female', '25-01-2375'], [' 494 ', 'Arjun', 'Male', '08-04-2376'], [' 495 ', 'Sanya', 'Female', '21-07-2377'], [' 496 ', 'Ishaan', 'Male', '04-10-2378'], [' 497 ', 'Anshika', 'Female', '17-01-2379'], [' 498 ', 'Vikram', 'Male', '30-04-2380'], [' 499 ', 'Srishti', 'Female', '12-07-2381'], [' 500 ', 'Rohit', 'Male', '25-10-2382'], [' 501 ', 'Siddhi', 'Female', '08-01-2383'], [' 502 ', 'Adityan', 'Male', '21-04-2384'], [' 503 ', 'Sneha', 'Female', '04-07-2385'], [' 504 ', 'Arjun', 'Male', '17-10-2386'], [' 505 ', 'Sanya', 'Female', '30-01-2387'], [' 506 ', 'Ishaan', 'Male', '12-04-2388'], [' 507 ', 'Anshika', 'Female', '25-07-2389'], [' 508 ', 'Vikram', 'Male', '08-10-2390'], [' 509 ', 'Srishti', 'Female', '21-01-2391'], [' 510 ', 'Rohit', 'Male', '04-04-2392'], [' 511 ', 'Siddhi', 'Female', '17-07-2393'], [' 512 ', 'Adityan', 'Male', '30-10-2394'], [' 513 ', 'Sneha', 'Female', '12-01-2395'], [' 514 ', 'Arjun', 'Male', '25-04-2396'], [' 515 ', 'Sanya', 'Female', '08-07-2397'], [' 516 ', 'Ishaan', 'Male', '21-10-2398'], [' 517 ', 'Anshika', 'Female', '04-01-2399'], [' 518 ', 'Vikram', 'Male', '17-04-2400'], [' 519 ', 'Srishti', 'Female', '30-07-2401'], [' 520 ', 'Rohit', 'Male', '12-10-2402'], [' 521 ', 'Siddhi', 'Female', '25-01-2403'], [' 522 ', 'Adityan', 'Male', '08-04-2404'], [' 523 ', 'Sneha', 'Female', '21-07-2405'], [' 524 ', 'Arjun', 'Male', '04-10-2406'], [' 525 ', 'Sanya', 'Female', '17-01-2407'], [' 526 ', 'Ishaan', 'Male', '30-04-2408'], [' 527 ', 'Anshika', 'Female', '12-07-2409'], [' 528 ', 'Vikram', 'Male', '25-10-2410'], [' 529 ', 'Srishti', 'Female', '08-01-2411'], [' 530 ', 'Rohit', 'Male', '21-04-2412'], [' 531 ', 'Siddhi', 'Female', '04-07-2413'], [' 532 ', 'Adityan', 'Male', '17-10-2414'], [' 533 ', 'Sneha', 'Female', '30-01-2415'], [' 534 ', 'Arjun', 'Male', '12-04-2416'], [' 535 ', 'Sanya', 'Female', '25-07-2417'], [' 536 ', 'Ishaan', 'Male', '08-10-2418'], [' 537 ', 'Anshika', 'Female', '21-01-2419'], [' 538 ', 'Vikram', 'Male', '04-04-2420'], [' 539 ', 'Srishti', 'Female', '17-07-2421'], [' 540 ', 'Rohit', 'Male', '30-10-2422'], [' 541 ', 'Siddhi', 'Female', '12-01-2423'], [' 542 ', 'Adityan', 'Male', '25-04-2424'], [' 543 ', 'Sneha', 'Female', '08-07-2425'], [' 544 ', 'Arjun', 'Male', '21-10-2426'], [' 545 ', 'Sanya', 'Female', '04-01-2427'], [' 546 ', 'Ishaan', 'Male', '17-04-2428'], [' 547 ', 'Anshika', 'Female', '30-07-2429'], [' 548 ', 'Vikram', 'Male', '12-10-2430'], [' 549 ', 'Srishti', 'Female', '25-01-2431'], [' 550 ', 'Rohit', 'Male', '08-04-2432'], [' 551 ', 'Siddhi', 'Female', '21-07-2433'], [' 552 ', 'Adityan', 'Male', '04-10-2434'], [' 553 ', 'Sneha', 'Female', '17-01-2435'], [' 554 ', 'Arjun', 'Male', '30-04-2436'], [' 555 ', 'Sanya', 'Female', '12-07-2437'], [' 556 ', 'Ishaan', 'Male', '25-10-2438'], [' 557 ', 'Anshika', 'Female', '08-01-2439'], [' 558 ', 'Vikram', 'Male', '21-04-2440'], [' 559 ', 'Srishti', 'Female', '04-07-2441'], [' 560 ', 'Rohit', 'Male', '17-10-2442'], [' 561 ', 'Siddhi', 'Female', '30-01-2443'], [' 562 ', 'Adityan', 'Male', '12
```

```
e', '07-02-1990' ]]
```

```
[3]:
```

```
RollNo=[]  
Name=[]  
Gender=[]  
DOB=[]
```

```
'07-02-1990' ]]
```

```
for row in info_dataset [1 : ] :
```

```
RollNo.append(row[0] )  
Name. append(row[1])  
Gender. append (row[2] )  
DOB. append ( row[3] )
```

```
print(R011No)  
print (Name)  
print (Gender)  
print (DOB)
```

```
[ ' 101 ' , ' 102 ' , ' 103 ' , ' 104' , ' 105 ' , ' 106 ' , ' 107 % ' 108 ' , ' 109 ' , ' 110 ' ]
```

```
[ ' Rahul' , 'Aditya' , 'Omkar' , 'Abhijeet' , ' Pooja' , 'Shruti' , ' Nikita ' , 'Ganesh' , '  
Mayur i ' , 'Shrikant' ]
```

```
[ ' Male ' , 'Male ' , 'Male' , 'Male' , ' Female' , ' Female' , ' Female' , 'Male' , ' Female' , 'Male'  
' ] [ '08-04-1991 ' , ' 12-03-1990 ' , '03-09-1990' , ' 12-11-1989 ' , '07-02-1990' , '08-06-1991'  
' , ' 21 -07-1992' , ' 04-09-1990' , ' 14-05-1988 ' , '07-02-1990' ]
```

2. Read Student Marks

```
# Read Student Marks file=open(
' student_marks . csv', ' r '
marks_dataset=[]
while True:
    data=file . readline()
    if data:
        marks_dataset . append (data . replace(
            "\n", ' ' ) . split( ' , ' )) else:
            break
print
(marks_dataset)

[ [' Roll No. ', ' Maths ', ' Physics ', ' Chemistry ', ' English ', ' Total ', ' Percentage ' ],
1, ' 56 ', ' 89 ', ' 74 ', ' 80 ', ' 299 ', ' 74.75 ' ] [ ' 102 ', ' 60 ', ' 75 ', ' 86 ',
79 ', ' 300 ',
5 ], [ ' 103 ', ' 56 ', ' 75 ', ' 72 ', ' 66.75 ' ], [ ' 104%', ' 56 ', ' 66 ',
90 ', ' 96.67 ' ], [ ' 105 ', ' 64 ', ' 267 ', ' 64.5 ', ' 273 ', ' 68.25 ' ], [ ' 106 ',
69 ', ' 85 ', ' 74 ', ' 60 ', ' 7
9 ', ' 59 ', ' 272 ', ' 68 ' ] [ ' 70 ', ' 82 ', ' 107 %', ' 74 ', ' 66 %', ' 292 ', [ ' 108 ', ' 75 ',
' 8
1 ', ' 83 ', ' 320 ', [ ' 109 ', ' 89 ', ' 76 ', ' 77 ', ' 89 ', ' 331 ',
82.75 ' ], [ ' 110 ', ' 88 ', ' 73 ', ' 78 ', ' 329 ', ' 82.25 ' ] ]
```

```
Maths=[]
Physics=[]
Chemistry=[]
English=[]
Total=[]
Percentage=[]
```

```
'69', '70',      , '88']
'85', '82',      , '73']
'59', '74',      , '78']
'59', '74',      , '78']
```

```

for row in marks_dataset[l: ] :
    Maths.append(row[l])
    Physics. append (row [2])
    Chemistry. append (row[3] )
    English. append (row[3])
    Total . append (row [4] )
    Percentage . append (row[5])

```

```

print (Maths)
print (Physics)
print (Chemistry)
print(Eng1ish)
print(Tota1)
print
(Percentage)

```

```

[ ' 56 ' , ' 60 ' , ' 56 ' ,          ' 78 ' ,      ' 64 ' , ' 75 ' ,  ' 89 ' ,
[ ' 89 ' , ' 75 ' ,  '  '  ' 75 " 74 ' , ' 81 ' ,          ' 76 ' ,
[ ' 74 ' , ' 86 ' , ' 72 ' , ' 56 ' , ' 60 ' , ' 81 ' , ' 77 '
[ ' 74 ' , ' 86 ' ,      , ' 66 ' , ' 75 '      ' 72 ' , ' 56 '  ' 60 ' , ' 81 ' , ' 77 '
[ ' 80 ' , ' 79 '          , ' 64 '

                                ' 320 ' , ' 331 ' , ' 329

' ]
[ ' 299 ' , ' 300 ' , ' 267 ' , ' 290 ' , ' 273 '  ' , '
272 " 292 %

```

3. Read Student Placement File

```

In [13] In [15] :
:

```

```

In [17] :

```

```

In 14 ] :

```

```

# Read Student Marks file-open('103', 'Accentur
student_placement.csv' 'r')
placement_dataset=
['104% 'Cognizant', 'Engineer Trainee' ['105',
'TCS', 'Software Developer', ['106', 'Siemens', 'Cloud Engineer', '5] ['107', 'K
PMG', 'Dev ops Engineer', '10] ['108', 'Infosys', 'Data Analyst', '9.5'], ['
data-file.readlines()
if data:
placement_dataset.append(data
else:
break
Company=[]
print(placement_dataset)
Package=[]

[[
'Roll
No.',
'Comp
any',
'JobRO
1e',
'Packa
ge in
LPA'],
['101
',
'Oracl
e',
Java
devel
ope
.9'],
'102',
'Deloit
te',
'Grad
uate
Softw
are
Engin

for row in placement_dataset[1:]:
    Company.append(row)
    JobR01e.append(row[2])
    Package.append(row)

print(Company)
print(JobR01e)
print(Package)

['Oracle', 'Deloitte', 'Accenture', 'Cognizant', 'TCS', 'Siemens', 'KPMG', '
Infosys', 'IBM', 'Wipro']
['Java developer', 'Graduate Software Engineer', 'Engineer Trainee', 'Engineer Trainee',
'Software Developer', 'Cloud Engineer', 'Dev ops Engineer', 'Data Analyst', 'Machine lea
rning Engineer', 'Data Analyst']
['8.9', '7.6', '4.25', '8', '10', '12.5', 45']

studentdata=[]
studentdata.append(RollNo)
studentdata.append(Name)
studentdata.append(Gender)
studentdata.append(DOB)
studentdata.append(Maths)
studentdata.append(Physics)
studentdata.append(Chemistry)
studentdata.append(English)
studentdata.append(Total)
studentdata.append(Percentage)
studentdata.append(Company)
studentdata.append(JobR01e)
studentdata.append(Package)

```

In [18]: studentdata

```

[[ '101 ','102 ','103 ','104'
Out[18]: , '105 ','106 ','107 ','108 ','109 ','110 '],
[ 'Rahul',
  'Aditya ',
  'Omkar',
  'Abhijeet',
  'Pooja ',
  'Shruti',
  'Nikita ',
  'Ganesh ',
  'Mayuri',
  'Shrikant' ],
[ 'Male',
  'Male',
  'Male',
  'Male',
  'Female%',
  'Female%',
  'Female%',
  'Female%',
  'Male ' ],
'08-04-1991 ',
'03-09-1990',
'12-11-1989 ',
'07-02-1990',
'08-06-1991 ',
'21-07-1992 ',
'04-09-1990',
'14-05-1988 ',
'07-02-1990' ]
[ '56 ','60 ','56 ','78 ', '69 ','70 ','75 ','89 ','88 '],
[ '89 ','75 ','75 ' '74 ','85 ','82 ','81 ','76 ','73 '],
[ '74 '86 ','72 ','56 ', '60 ', '74 '81 ', '77 ','78 ' ]
', '59 ',
[ '74 '86 ','72 ','56 ','60 ', '74 '81 ', '77 ','78 ' ]
', '59 ',
[ '80 '79 ', '66 ','75 ','59 '66 '83 ','89 ',
', ' ]
[ '299'300', '267 ', '290 ', '273 '272 '292 ', '320 ', '331 '329 '
', ' ],
[ 'Oracle', 'Deloitte',
  'Accenture '

```

```

'Cognizant' ,
'TCS' ,
'Siemens' ,
'KPMG' ,
'Infosys' ,
'IBM' ,
'Wipro' ]'
[ 'Java developer' ,
'Graduate Software Engineer' ,
'Engineer Trainee' ,
'Engineer Trainee' ,
'Software Developer' ,
'Cloud Engineer' ,
'Dev ops Engineer' ,
'Data Analyst' ,
'Machine learning Engineer' ,
'Data Analyst' ],
'8.9','7.6','4.25','8','5','10','9.5','12.5','4.5'

```

4. Writing Data to New File

```
In [19]: "StudentDetails.csv", "w" ) fw=open(
```

In [20]:

```

data_to_write=[]
for i in range(len(studentdata[0])):# 10 rows
    row-list ( ) for j in
    range(len(studentdata)):#12 col data-
    studentdata[j] [i] row. append (data) row.
    append( '\n' ) data_to_write . append( " , " .
    join (row) )

```

In [21]:

```
data to write
```

```

Out[21]: [ '01,Rahul,Male,08-04-1991,56,89,74,74,80,199,Oracle,Java developer,8.9,
'102,Aditya,Male,12-03-1990,66,75,86,86,79,300,Deloitte,Graduate Software Engineer,7.
6,\n',
'103,Omkar,Male,03-09-1990,56,75,72,72,64,267,Accenture,Engineer Trainee,4.25,
'104,Abhijeet,Male,12-11-1989,78,90,56,56,66,290,Cognizant,Engineer Trainee,4,
'105,Pooja,Female,07-02-1990,64,74,60,60,75,273,TCS,Software Developer,8,
'106,Shruti,Female,08-06-1991,69,85,59,59,59,272,Siemens,Cloud Engineer,5,
'107,Nikita,Female,21-07-1992,70,82,74,74,66,292,KPMG,Dev ops Engineer,10,
'108,Ganesh,Male,04-09-1990,75,81,81,81,83,320,Infosys,81,83,320,Infosys,Data
'109,Mayuri,Female,14-05-1988,89,76,77,77,89,331,IBM,M Analyst,9.5,Machinelearning
5,\n', Engineer,12.

```

```
'110, 73, 78, 78, 10, 329, Wipro, Data Analyst, 4.5, \n ' ]
ihrikant, Male, 07-02-1990, 88,
```

```
fw. writelines (data_to_write)
```

```
fw. close ( )
```

```
# 1 . Sum of Marks # 2. Average
Marks print("Math Marks=" ,
Maths) print("Phyics Marks=" ,
Physics) print ("Chemistry Marks="
, Chemistry) print ("English
Marks=" , English) math=[int(i) for i
in Maths] physics=[int(i) for i in
Physics] chemistry=[int(i) for i in
Chemistry] english=[int(i) for i in
English] sum_of_marks=[]

for i in range(len(math)) :
    sum_of_marks . append (math [i] +physics [ i] +chemistry [ i] +english [i] )
    avg. append ( round ( ,um_of_marks[i] , 2) )
```

5. Statistical Operation

In [26] :

```
print ("Sum of Marks=" , sum_of_marks) print
("Average Marks=" , avg)
```

```
Math Marks= [ ' 56 ' , ' 60 ' , ' 56 ' , ' 78 ' , ' 69 ' , ' 70 ' ,
```

```
Phyics Marks= [ ' 89 ' , ' 75 ' , ' 75 ' , ' 90 ' , ' 74 ' , ' 85 ' , ' 82 ' , ' 81 ' ,
76 ' , ' 73 ' ]
```

```
Chemistry Marks= [ ' 74 ' , ' 86 ' , ' 72 ' , ' 56 ' , ' 60 ' , ' 74 ' , ' 81 '
, ' 77 ' , English Marks= [ ' 74 ' , ' 86 ' , ' 72 ' , ' 56 ' , ' 60 ' , ' 74 '
```

```
Sum of Marks= [293, 307, 275, 280, 258, 272, 300, 318, 319, 317]
```

```
Average Marks= [293, 307, 275, 280, 258, 272, 300, 318, 319, 317]
```

```
# 3. Max Marks print ("Maximum
Marks=" , max(avg))
```

```
, ' 81 ' , ' 77 ' ,
```

In [27] :

Maximum Marks= 319

```
In [28] : # 4. Min Marks # Max Marks print  
("Maximum Marks=",min(avg))
```

Maximum Marks= 258

```
In [29] : # 5. Count total no of student print ("Total No  
of Student=",len(studentdata[0]))
```

Total No of Student= 10

```
In [30] : #6. Percentage  
#assume math marks=90, physic=90, chem=90  
  
for i in range(len(sum_of_marks)) :  
    per. append ( round ( 100*sum_of_marks [ i ] / 270)  
    , 2 ) ) print ( "Percentage=" , per)
```

Percentage= [108.52, 113.7, 101.85, 103.7, 95.56, 100.74, 111.11, 117.78, 118.15, 117.41]

]: