```
#include<stdio.h>
#include<stdlib.h>

const int columns = 6;

void inputdata(double(*)[columns], int);
void printdata(double(*)[columns], int);
void processdata(double(*)[columns], int);
int main()
{
   printf("Enter number of students you want to store information ? ");
   int rows, result;

   while((result = scanf("%d",(int)&rows)) != EOF)        // Terminate the program by typing ctrl+z
   {
      if(result != 1 || rows < 0)
         printf("Input Error\n");
      else
      {
         double (*ptr) [columns] = new double[rows][columns];
         inputdata(ptr,rows);
         processdata(ptr, rows);
         printdata(ptr,rows);
         delete [] ptr;
      }
      fflush(stdin);
      printf("\nEnter number of students you want to store information ?");
   }

   return 0;
}
void inputdata(double(*ptr)[columns], int rows)
{
   for(int i = 0; i < rows; ++i)
   {
      printf("Enter Roll Number\t");
      scanf("%lf",&ptr[i][0]);

      for(int j = 1; j < columns - 2; ++j)
      {
         printf("Enter Marks\t\t");
         scanf("%lf",&ptr[i][j]);
```

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      }
   }
}
void printdata(double(*ptr)[columns], int rows)
{
   printf("\n\nRoll #\t M1 \t M2 \t M3 \t Sum \t Avg. \n");

   for(int i = 0; i<rows; ++i)
   {
      for(int j = 0; j < columns; ++j)
      {
         if((j%5) != 0 || j == 0)
         {
            printf("%4d\t", (int)ptr[i][j]);
         }
         else
         {
            printf("%4.2lf\t", ptr[i][j]);
         }
      }
      printf("\n");
   }
}

void processdata(double(*ptr)[columns],int rows)
{
   int sum;

   for(int i = 0; i<rows; ++i)
   {
      sum = 0;
      for(int j = 1; j < columns - 2; ++j)
      {
         sum = sum + ptr[i][j];
      }
      ptr[i][columns-2] = sum;
      ptr[i][columns-1] = sum/(columns - 3);
   }
}
```