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#include <stdio.h>
#include <math.h>
#include <time.h>//This is new!
#include <stdlib.h>//This is new!

int main()
{
    srand(time(NULL));
    int i,N;
    double R,sum1,sum2,sum3,sum4,sum5,sum6;
    printf("Enter the number of random numbers used ");
    scanf("%d",&N);

    sum1=0.;
    sum2=0.;
    sum3=0.;
    sum4=0.;
    sum5=0.;
    sum6=0.;
    for(i=0;i<N;i++)
    {
        R=(double)rand()/RAND_MAX;
        sum1=sum1+R;
        sum2=sum2+pow(R,2);
        sum3=sum3+pow(R,3);
        sum4=sum4+pow(R,4);
        sum5=sum5+pow(R,5);
        sum6=sum6+pow(R,6);
    }
    printf("%lf\n",sum1/N);
    printf("%lf\n",sum2/N);
    printf("%lf\n",sum3/N);
    printf("%lf\n",sum4/N);
    printf("%lf\n",sum5/N);
    printf("%lf\n",sum6/N);
    return 0;
}

```