Problem id: 10924

#include<st dio.h>

#include<string.h>

#include<math.h>

int main(){

int sum,i,j,prime,aski,len,root;

char S[25];

while (scanf("%s",S)!=EOF){

sum=0;

prime=1;

root=0;

len=strlen(S);

for (i=0;i<len;i++){

if (S[i]>=97 && S[i]<=122) aski=S[i]-96;

else if (S[i]>=65 && S[i]<=90) aski=S[i]-38;

sum+=aski;

}

root=sqrt(sum);

for (j=2;j<=root;j++){

if (sum%j==0) prime=0;

}

if (prime==0) printf("It is not a prime word.\n");

else printf("It is a prime word.\n");

}

return 0;

}