

PROGRAM:



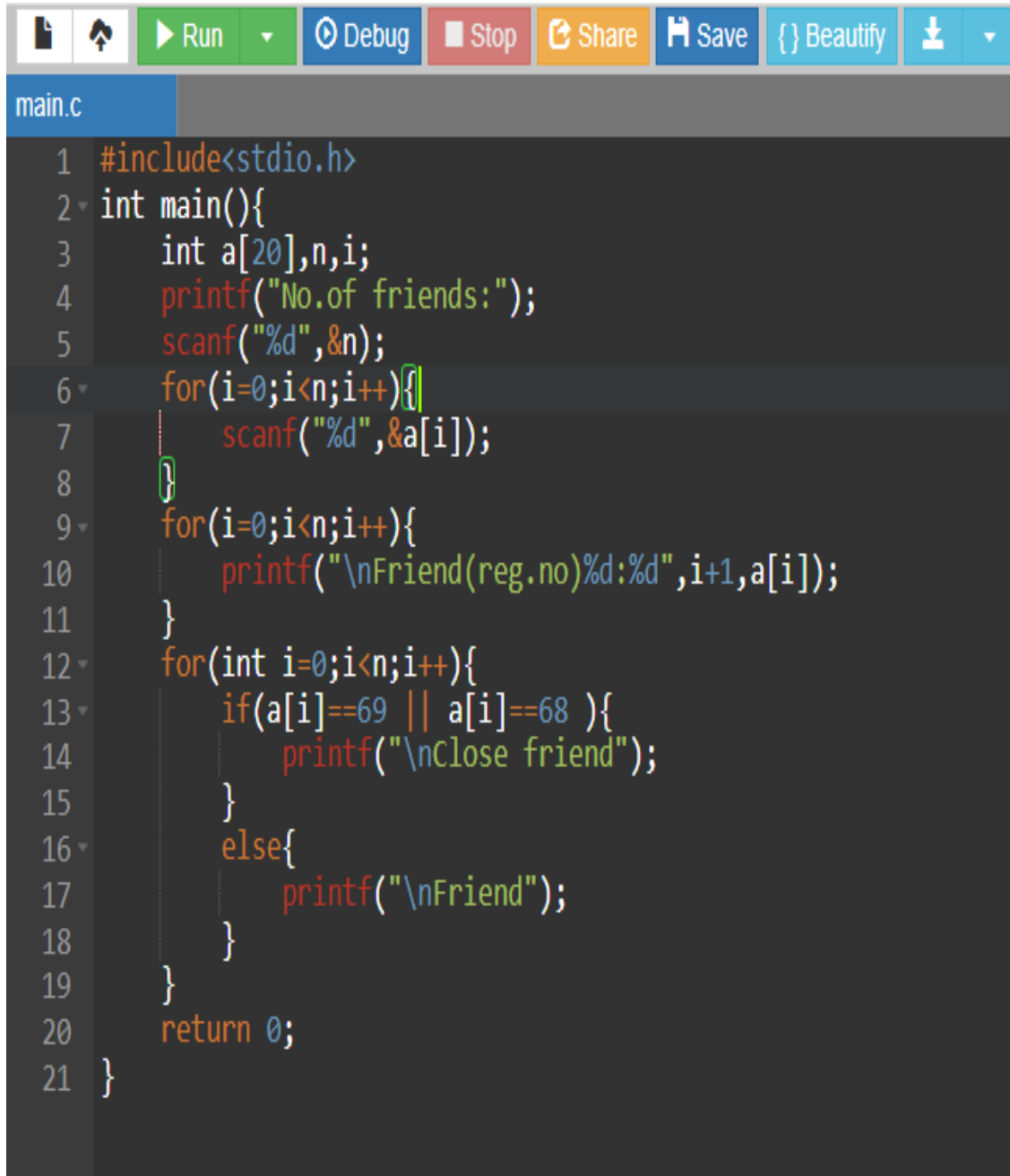
The image shows a code editor window with a toolbar at the top containing icons for file operations, a 'Run' button, a 'Debug' button, a 'Stop' button, a 'Share' button, a 'Save' button, a 'Beautify' button, and a download icon. The editor is titled 'main.c' and contains the following C code:

```
1  #include<stdio.h>
2  int main(){
3      char c[20];
4      int i,n;
5      scanf("%d",&n);
6      scanf("%s",c);
7
8      while(c[i]!='\0'){
9          printf("%c",c[i]);
10         i=i+1;
11     }
12     for(int i=0;i<n;i++){
13         if(c[i]!=c[i+1]){
14             printf("\nNon-repeated:%c",c[i]);
15         }
16     }
17
18     return 0;
19 }
```

PROGRAM:

```
1  #include<stdio.h>
2  #include<math.h>
3  int main(){
4      int c[50],n,i,a,Mean,f;
5      float s;
6      scanf("%d",&n);
7      for(i=0;i<n;i++){
8          scanf("%d",&c[i]);
9      }
10     for(i=0;i<n;i++){
11         printf("m%d:%d\n",i+1,c[i]);
12     }
13     //Mean
14     a=0;
15     for(int i=0;i<n;i++){
16         a=a+c[i];
17         Mean=a/n;
18     }
19     printf("MEAN:%d\n",Mean);
20     //Median
21     if(n%3==0){
22         i=c[((n+1)/2)-1];
23
24         printf("Median(odd):%d\n",i);
25     }
26     else{
27         f=c[((n/2)+((n/2)+1)/2)-1];
28         printf("Median(Even):%d",f);
29     }
30     //Standard deviation
31     s=sqrt(Mean);
32     printf("\nStandard deviation:%f",s);
33     return 0;
34 }
```

PROGRAM:



The image shows a code editor interface with a toolbar at the top containing icons for file operations and buttons for 'Run', 'Debug', 'Stop', 'Share', 'Save', 'Beautify', and a download icon. The file name 'main.c' is displayed in the editor's title bar. The code is written in C and is as follows:

```
1 #include<stdio.h>
2 int main(){
3     int a[20],n,i;
4     printf("No.of friends:");
5     scanf("%d",&n);
6     for(i=0;i<n;i++){
7         scanf("%d",&a[i]);
8     }
9     for(i=0;i<n;i++){
10         printf("\nFriend(reg.no)%d:%d",i+1,a[i]);
11     }
12     for(int i=0;i<n;i++){
13         if(a[i]==69 || a[i]==68 ){
14             printf("\nClose friend");
15         }
16         else{
17             printf("\nFriend");
18         }
19     }
20     return 0;
21 }
```

PROGRAM:

```
main.c
1  #include<stdio.h>
2  int main(){
3      int a[30],n,i,j;
4      printf("Count of subjects:");
5      scanf("%d",&n);
6      for(i=0;i<n;i++){
7          scanf("%d",&a[i]);
8      }
9      for(i=0;i<n;i++){
10         printf("\nMark%d:%d",i+1,a[i]);
11     }
12     int t=0;
13     for(i=0;i<n;i++){
14         for(j=i+1;j<n;j++){
15             if(a[i]>a[j]){
16                 t=a[i];
17                 a[i]=a[j];
18                 a[j]=t;
19             }
20         }
21     }
22     for(i=0;i<n;i++){
23         printf("\nSorted subjects(mark):%d",a[i]);
24     }
25     int b,c,d=0;
26     for(int i=0;i<n;i++){
27         b=a[n-2];
28         c=a[d+1];
29     }
30 }
31 printf("\nSecond smallest:%d",c);
32 printf("\nSecond biggest:%d",b);
33 }
```

PROGRAM:

```
main.c
1  #include<stdio.h>
2  int main(){
3      char c[20],a,i;
4      int n,j;
5      printf("How many letters:");
6      scanf("%d",&n);
7      scanf("%s",c);
8      j=0;
9      while(c[j]!='\0'){
10         printf("%c",c[j]);
11         j=j+1;
12     }
13     for(int j=0;j<n;j++){
14         if(c[j]=='a'){
15             printf("e");
16         }
17         else if(c[j]=='i'){
18             printf("o");
19         }
20         else{
21             printf("%c",c[j]);
22         }
23     }
24     return 0;
25 }
```