

You will be given a message in English with no spaces between the words. The maximum message length can be 81 characters. Print the encoded message.

```
#include<stdio.h>

#include<math.h>

int main()
{
    char a[82];

    scanf("%s",a);

    int i,c,r,j,k,s;

    for(i=0;a[i];i++)

        s=sqrt(i);

        if(s*s==i)
        {
            c=r=s;
        }
        else
        {
            r=s;

            c=s+1;

            if(r*c<i)
            {
                r=s+1;

                c=s+1;

            }
        }

        for(j=0;j<c;j++)
        {
            for(k=0;k<r;k++)
```

```

        if(j+k*c<i)

        printf("%c",a[j+k*c]);

printf(" ");

}

return 0;

}

```

The screenshot displays the OnlineGDB web interface. On the left is a sidebar with navigation links like 'Welcome, VAISHNAVI EC', 'Day 10', 'Create New Project', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', and 'Logout'. The main area shows a C program being edited and run. The code includes a loop structure with a conditional check. The console output at the bottom indicates the program finished with exit code 0.

```

main.c
13      c=r*s;
14      }
15      else
16      {
17          r=s;
18          c=s+1;
19          if(r*c<i)
20          {
21              r=s+1;
22              c=s+1;
23          }
24      }
25      for(j=0;j<c;j++)
26      {
27          for(k=0;k<r;k++)
28          {
29              if(j+k*c<i)
30                  printf("%c",a[j+k*c]);
31          }
32          printf(" ");
33      }
34      return 0;
35
input
haveaniceday
hae and via ecy
...Program finished with exit code 0
Press ENTER to exit console.

```