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Assignment 9

String built in function

1) Use around 21 built-in functions of string in program.

```
#include<stdio.h>

#include<string.h>

#include<ctype.h>

int main(){

char name[]="gajanan purud",temp[100],copy1[100],copy2[100]="GAJANAN PURUD",*token;

printf("Length:%zu\n",strlen(name));

strcpy(copy1,name);

printf("Copy1:%s\n",copy1);

strncpy(copy2,name,4);

copy2[4]='\0';

printf("Strncpy:%s\n",copy2);

strcpy(temp,name);

strcat(temp," rocks");

printf("Concat:%s\n",temp);

strcpy(temp,name);

strncat(temp," people",3);

printf("Strncat:%s\n",temp);

printf("strcmp:%d\n",strcmp(name,copy1));

printf("strncmp:%d\n",strncmp(name,copy2,3));

printf("strcasecmp:%d\n",strcasecmp(name,"GAJANAN PURUD"));

printf("First a:%s\n",strchr(name,'a'));
```

```c
printf("Last a:%s\n",strrchr(name,'a'));

printf("Sub 'jan':%s\n",strstr(name,"jan"));

strcpy(temp,name);

token=strtok(temp," ");

while(token!=NULL){

printf("Token:%s\n",token);

token=strtok(NULL," ");

}

sprintf(temp,"Hello %s!",name);

printf("Formatted:%s\n",temp);

strcpy(temp,name);

for(int i=0;temp[i];i++) temp[i]=tolower(temp[i]);

printf("Lower:%s\n",temp);

strcpy(temp,name);

for(int i=0;temp[i];i++) temp[i]=toupper(temp[i]);

printf("Upper:%s\n",temp);

printf("isalpha(g):%d\n",isalpha('g'));

printf("isspace( ):%d\n",isspace(' '));

memset(temp,'-',5);

temp[5]='\0';

printf("Memset:%s\n",temp);

char src[]="memcpy!";

memcpy(temp,src,strlen(src)+1);

printf("Memcpy:%s\n",temp);

printf("First u:%s\n",strchr(name,'u'));
```
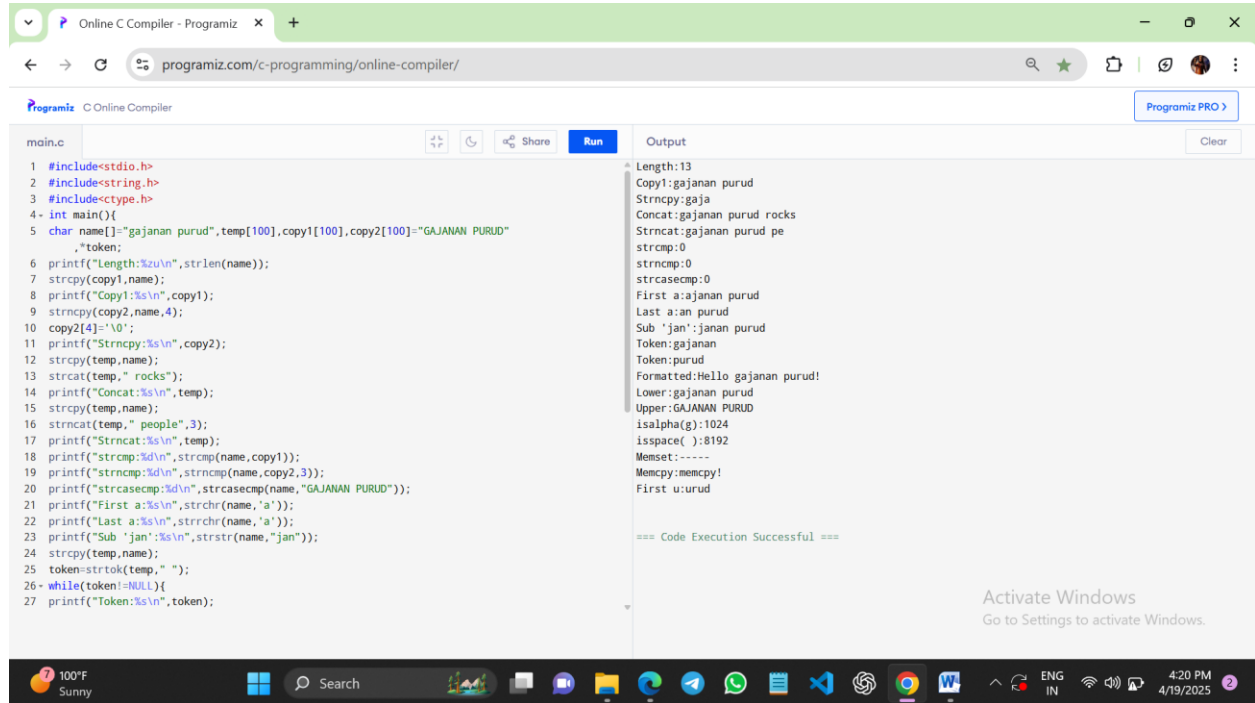
return 0;

}