**PROGRAM**

#include<stdio.h>

#include<unistd.h>

#include<sys/types.h>

#include<string.h>

void main()

{

pid\_t pid;

char s[10];

int i,l,m,n,flag=1;

printf("Enter The String\n");

scanf("%s",s);

printf("\n");

l=strlen(s);

m=l;

n=l;

pid=fork();

if(pid<0)

{

perror("Fork Error\n");

}

if(pid>0)

{

wait(5);

sleep(2);

for(i=0;i<(l/2);i++)

{

if(s[i]!=s[m-1])

{

flag=0;

break;

}

else

{

flag=1;

m--;

}

}

printf("\nParent Block ID :%d\n",getpid());

if(flag==1)

{

printf("\n%s Is Palindrome\n",s);

}

else

{

printf("\n%s Is Not Palindrome\n",s);

}

printf("\n");

}

else

{

printf("\nChild Block ID : %d\n",getpid());

printf("Parent ID Of The Child : %d\n",getppid());

printf("\nReversed String Is : ");

for(i=0;i<l;i++)

{

printf("%c",s[n-1]);

n--;

}

printf("\n");

}

}

**OUTPUT**

**mat@mat-18:~/Desktop/VANISHA46$ gcc forkstring.c**

**mat@mat-18:~/Desktop/VANISHA46$ ./a.out**

Enter The String

welcome

Child Block ID : 2140

Parent ID Of The Child : 2139

Reversed String Is : emoclew

Parent Block ID :2139

welcome Is Not Palindrome

**mat@mat-18:~/Desktop/VANISHA46$ ./a.out**

Enter The String

malayalam

Child Block ID :2142

Parent ID Of The Child :2141

Reversed String Is : malayalam

Parent Block ID :2141

malayalam Is Palindrome