

Cloud Lab credential: x 24NAG0874_U19 x Meeting now | M x C Program to Find th x C Program to Revers x Free DOCX Editor - E x +

cloud2.rpsconsulting.in/console/#/client/MjU2NDUAYwBteXNxbA==

Activities Terminal May 10 13:05

rps@rps-virtual-machine: ~/assignmentsc

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```
rps@rps-virtual-machine:~/assignmentsc$ ls
add2.c add.c a.out asci.c date.c hello.c helo.c name.c odd.c reverse.c size.c
rps@rps-virtual-machine:~/assignmentsc$ cat hello.c
#include<stdio.h>
int main(){
    printf("hello world\n");
    return 0;
}
rps@rps-virtual-machine:~/assignmentsc$ gcc hello.c
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
bash: ./a.out: No such file or directory
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
hello world
rps@rps-virtual-machine:~/assignmentsc$ cat add.c
#include<stdio.h>
int main(){
    int num1=5;
    int num2=7;
    int sum=num1+num2;
    printf("the sum of %d and %d is%d\n",num1,num2,sum);
    return 0;
}
rps@rps-virtual-machine:~/assignmentsc$ gcc add.c
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
the sum of 5 and 7 is12
rps@rps-virtual-machine:~/assignmentsc$ cat add2.c
#include<stdio.h>
int main()
{
    int a=0;
```

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rps@rps-virtual-machine:~/assignmentsc$ ./a.out
the sum of 5 and 7 is 12
rps@rps-virtual-machine:~/assignmentsc$ cat add2.c
#include<stdio.h>
int main()
{
    int a=0;
    int b=0;
    printf("enter the value of first number\n");
    scanf("%d",&a);
    printf("enter the value of second number\n");
    scanf("%d",&b);
    printf("addition of a and b is %d\n",a+b);
    return 0;
}
rps@rps-virtual-machine:~/assignmentsc$ gcc add2.c
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
enter the value of first number
23
enter the value of second number
56
addition of a and b is 79
rps@rps-virtual-machine:~/assignmentsc$ cat date.c
#include<stdio.h>
#include<time.h>
int main(){
    time_t t;
    time(&t);
    printf("the current date and time is:%s",ctime(&t));
}
```

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```
rps@rps-virtual-machine:~/assignmentsc$ gcc date.c
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
the current date and time is:Fri May 10 12:56:53 2024
rps@rps-virtual-machine:~/assignmentsc$ cat name.c
#include<stdio.h>
int main(){
    char name[50];
    printf("please enter your name:");
    scanf("%s",name);
    printf("hello,%s! welcome!\n",name);
    return 0;
}
rps@rps-virtual-machine:~/assignmentsc$ gcc name.c
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
please enter your name:sushma B
hello,sushma! welcome!
rps@rps-virtual-machine:~/assignmentsc$ cat odd.c
#include<stdio.h>
int main()
{
    int num;
    printf("enter an integer:");
    scanf("%d",&num);
    if(num %2==0){
        printf("%d is even.\n",num);
    }else{
        printf("%d is odd.\n",num);
    }
    return 0;
}
```

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```
int n,reverse=0,remainder;
printf("enter an integer:");
scanf("%d",&n);
while(n!=0){
    remainder=n%10;
    reverse=reverse*10+remainder;
    n /=10;
}
printf("reversed number =%d",reverse);
return 0;
}
```

rps@rps-virtual-machine:~/assignmentsc\$ gcc reverse.c
rps@rps-virtual-machine:~/assignmentsc\$./a.out
enter an integer:4567
reversed number =7654rps@rps-virtual-machine:~/assignmentsc\$ cat size.c

```
#include<stdio.h>
int main(){
    int intType;
    float floatType;
    double doubleType;
    char charType;

    printf("Size of int:%zu bytes\n",sizeof(intType));
    printf("Size of float:%zu bytes\n",sizeof(floatType));
    printf("Size of double:%zu bytes\n",sizeof(doubleType));

    printf("Size of char:%zu bytes\n",sizeof(charType));
    return 0;
}
```

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```
rps@rps-virtual-machine:~/assignmentsc$ gcc reverse.c
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
enter an integer:4567
reversed number =7054rps@rps-virtual-machine:~/assignmentsc$ cat size.c
#include<stdio.h>
int main(){
    int intType;
    float floatType;
    double doubleType;
    char charType;

    printf("Size of int:%zu bytes\n",sizeof(intType));
    printf("Size of float:%zu bytes\n",sizeof(floatType));
    printf("Size of double:%zu bytes\n",sizeof(doubleType));

    printf("Size of char:%zu bytes\n",sizeof(charType));
    return 0;
}

rps@rps-virtual-machine:~/assignmentsc$ gcc size.c
rps@rps-virtual-machine:~/assignmentsc$ ./a.out
Size of int:4 bytes
Size of float:4 bytes
Size of double:8 bytes
Size of char:1 bytes
rps@rps-virtual-machine:~/assignmentsc$
```

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