```
/*switch & case*/
#include<stdio.h>
int main()
{
	int x,y,ch,a,b,c,d;
	printf("enter two values\n");
	scanf("%d%d",&x,&y);
	printf("1.addition\n2.subtraction\n3.multiplication\n4.division\n");
	scanf("%d",&ch);
	switch(ch)
	{
		case 1:a=x+y;
		printf("result:%d",a);
		break;
		case 2:b=x-y;
		printf("result:%d",b);
		break;
		case 3:c=x*y;
		printf("result:%d",c);
		break;
		case 4:d=x/y;
		printf("result:%d",d);
		break;
		defult:
		printf("invalid no");
	}
	return 0;
}
/*size of my compiler int*/
#include<stdio.h>
int main()
```

```
{
	int x;
	printf("%d",sizeof(x));
	return 0;
}
/*size of my compiler float*/
#include<stdio.h>
int main()
{
	float x;
	printf("%d",sizeof(x));
	return 0;
}
/*size of my compiler double*/
#include<stdio.h>
int main()
{
	double x;
	printf("%d",sizeof(x));
	return 0;
}
/*factorial*/
#include<stdio.h>
int main()
{
	int i,n,m=1;
	printf("enter the value of n\n");
	scanf("%d",&n);
	for(i=1;i<=n;i++)
```

```
                m=m*i;
                printf("result:%d",m);

        return 0;
}
/*fact by using function & recurtion*/
#include<stdio.h>
int fact(int);
int main()
{
        int n,p;
        printf("enter the value of n\n");
        scanf("%d",&n);
        p=fact(n);
        printf("result:%d",p);
        return 0;
}
int fact(int x)
{
        if(x==0||x==1)
        return 1;
        else
        return x*fact(x-1);
}
```