```c
# include <stdio.h>
# include <unistd.h>
# include <sys/types.h>

void main()
{
	int i,j,temp=0;
	int arr[5];
	printf("ENTER ELEMENTS IN ARRAY:\n");
	for(i=0;i<5;i++)
	{
		scanf("%d\t",&(arr[i]));

	}
	pid_t pid;
	pid=fork();
	if(pid==0)
	{
		printf("\n");
		printf("\n");
		printf("Child class execution:\n");
		printf("Child Process Id=%d\n",getpid());
		for(i=0;i<5;i++)
		{
			for(j=0;j<5;j++)
			{
				if(arr[i]>arr[j])
				{
					temp=arr[i];
					arr[i]=arr[j];
					arr[j]=temp;
				}
			}
		}
		printf("Sorted array elements in descending order are:\n");

		for(i=0;i<5;i++)
		{
			printf("%d\t",arr[i]);

		}
	}

	else
	{

		printf("Parent class execution:\n");
		printf("Parent Process Id=%d\n",getpid());
		for(i=0;i<5;i++)
		{
			for(j=0;j<5;j++)
			{
```

```
                              if(arr[i]<arr[j])
                              {
                                      temp=arr[i];
                                      arr[i]=arr[j];
                                      arr[j]=temp;
                              }
                      }
              }
              printf("Sorted array elements in ascending order are:\n");
              for(i=0;i<5;i++)
              {
                      printf("%d\t",arr[i]);

              }
      }
}
```

OUTPUT

ENTER ELEMENTS IN ARRAY:
14
5
27
10
18
9
Parent class execution:
Parent Process Id=3427
Sorted array elements in ascending order are:
5   10   14   18   27

Child class execution:
Child Process Id=3428
Sorted array elements in descending order are:
27   18   14   10   5