Q. Write a C/C++ POSIX compliant program that prints the POSIX defined configuration options supported on any given system using feature test macros

A: -

PROGRAM:

```
#define _POSIX_SOURCE

#define _POSIX_C_SOURCE 199309L

#include "iostream"

#include<unistd.h>

using namespace std;

 int main()

{

    #ifdef _POSIX_JOB_CONTROL

        cout<<"System supports POSIX job control:"<<_POSIX_JOB_CONTROL<<endl;

    #else

        cout<<"System  does not support POSIX job control"<<endl;

    #endif

    #ifdef _POSIX_SAVED_IDS

        cout<<"System supports saved set UID and GID:"<<_POSIX_SAVED_IDS<<endl;

    #else

        cout<<"System does not support saved set GID and UID"<<endl;

    #endif

    #ifdef _POSIX_CHOWN_RESTRICTED

        cout<<"Chown restricted option is :"<<_POSIX_CHOWN_RESTRICTED<<endl;
```

```cpp
        #else
                cout<<"Chown Restricted not defined"<<endl;
        #endif
        #ifdef _POSIX_NO_TRUNC
                cout<<"Truncation option is :"<<_POSIX_NO_TRUNC<<endl;
        #else
                cout<<"Truncation Option not defined"<<endl;
        #endif
        #ifdef _POSIX_VDISABLE
                cout<<"disable char for terminal
files"<<_POSIX_VDISABLE<<endl;
        #else
                cout<<"char for terminal device files will not be disabled"<<endl;
        #endif
        return 0;
}
```

OUTPUT:

Output

```
/tmp/qRsr4DGmcF.o
System supports POSIX job control:1
System supports saved set UID and GID:1
Chown restricted option is :0
Truncation option is :1
disable char for terminal files·
```