

## Help

```

#include "std.h"

extern char* path_sep;
extern char **error_msg;

int OPT(Get)(int user,Planning *pt_plan,Option *
opt)
{
    TYPEOPT* pt=( TYPEOPT*)(opt->TypeOpt);

    (opt->Init)(opt);

    if (user==TOSCREEN)
        if ((opt->Show)(user,pt_plan,opt))
            do
            {
                Fprintf(TOSCREEN,"_____
                _____Option:%s{n",opt->Name);

                ScanVar(pt_plan,user,&(pt->Maturi
ty));
                GetParVar(pt_plan,user,(pt->PayOf
f.Val.V_NUMFUNC_1)->Par);
            }
            while ((opt->Show)(user,pt_plan,
opt));

    return (opt->Show)(TOSCREENANDFI
LE,pt_plan,opt);
}

int OPT(Show)(int user,Planning *pt_plan,Option *
opt)
{
    TYPEOPT* pt=(TYPEOPT*)(opt->TypeOpt);

    (void)(opt->Init)(opt);
    Fprintf(user,"##Option:%s{n",opt->Name);

```

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    PrintVar(pt_plan,user,&(pt->Maturity));
    ShowParVar(pt_plan,user,(pt->PayOff.Val.V_
    NUMFUNC_1)->Par);

    return (opt->Check)(user,pt_plan,opt);
}

int OPT(Check)(int user,Planning *pt_plan,Option
    *opt)
{
    TYPEOPT* pt=(TYPEOPT*)(opt->TypeOpt);
    int status=OK;
    char helpfile[MAX_PATH_LEN]="";

    if ((strlen(opt->Name)+strlen(opt->ID)+strlen(
        "{opt{" +strlen("{{" +
        +strlen("_doc.pdf"))>=MAX_PATH_LEN)
    {
        Fprintf(TOSCREEN,"%s\n",error_msg[PATH_TOO_
        LONG]);
        exit(WRONG);
    }

    strcpy(helpfile,path_sep);
    strcat(helpfile,"opt");
    strcat(helpfile,path_sep);

    strcat(helpfile,opt->ID);
    strcat(helpfile,path_sep);

    strcat(helpfile,opt->Name);
    strcat(helpfile,"_doc.pdf");

    status+=ChkVar(pt_plan,&(pt->Maturity));
    status+=(pt->PayOff.Val.V_NUMFUNC_1)->Check)
    (user,pt_plan,pt->PayOff.Val.V_NUMFUNC_1);

    return Valid(user,status,helpfile);
}

```

```
}

extern Option OPT(CallEuro);
extern Option OPT(CallSpreadAmer);
extern Option OPT(CallSpreadEuro);
extern Option OPT(DigitAmer);
extern Option OPT(DigitEuro);
extern Option OPT(PutAmer);
extern Option OPT(PutEuro);
extern Option OPT(CallAmer);
Option* OPT(family) [] =
{
    &OPT(CallEuro),
    &OPT(PutEuro),
    &OPT(CallSpreadEuro),
    &OPT(DigitEuro),
    &OPT(CallAmer),
    &OPT(PutAmer),
    &OPT(CallSpreadAmer),
    &OPT(DigitAmer),
    NULL
};
```

## References